



# FILLOSHINE AC KIT PRO

## KIT SERIES



01

## 01 About Brand

BIO FD&C Intro  
BIO SHINE Intro  
- Company Introduction

## 02 About Filloshine

Brand Overview  
Brand Introduction  
Brand Identity  
Patents & New technologies  
Certification

## 03 About KIT series

Skin Regeneration Cycle  
Core Fundamental Concept  
Core Mechanism  
Core Formulation

## 04 About AC KIT

Causes of acne-prone skin  
KIT Therapy Base Effects  
Target Ingredient & Effects

## 05 Product Details

Product Information  
Use Protocol  
GFP Series (Collaboration use)  
Before & After

TO INSPIRE SKIN CONFIDENCE

# FILLOSHINE

● ○ ○ ○ ○

## BIO-FD&C Company Introduction & Core Technologies

There is no eternal youth and health. Aging research, however, can help you keep more young and healthy. That is the reason why we, BIO-FD&C exist. BIO-FD&C CO., Ltd. was founded in 2005, as a research and development-oriented bio-venture company, to perform innovative R&D in the area of anti-aging, treatment of skin diseases with cutting edge bio-technologies. We research and develop cosmetic ingredients and drug candidates, and the products include recombinant proteins, functional peptides, plant callus extracts, traditional herbal extracts, and various novel nano-biomaterials. We, also, provide functional evaluations in customer's materials to develop as services. We will continue innovative R&D and make every efforts to satisfy cosmetic manufactures and customers, partners, stockholders, and our employees.





## BIO-FD&C Company Introduction & Core Technologies

BIO-FD&C Co., Ltd.  
Medical Nanomaterial Institute

Since its foundation in 2005, we have been striving for the development and industrialization of bio-active and high-value-added biomaterials for the healthy and beautiful human life.

With passion and efforts for research and development, we are leading the domestic cosmetics and industrial raw materials fields based on biotechnology, Skin biology and plant tissue culture technology.

Accumulation of excellent research technology leads to selection of various national projects, successfully commercialization of research projects, and has become the top company in Korea for the development of cosmetic ingredients and bioactive materials.

We promise to make steady efforts to become the best biotechnology company in the world.  
Thank you again to all of our shareholders and employees.

TO INSPIRE SKIN CONFIDENCE

**FILLOSHINE**

## BIO-SHINE Company Introduction

BIO-SHINE is a company, established by a desire to understand trends, where Korean advanced medical beauty technology is redefined by studying a myriad of customers' needs since 2012. BIO-SHINE Co.,Ltd. actively delivers products using SKIN BOOSTING's core ingredients with BIO FD&C's effective components and differentiated technologies. BIO-SHINE Co.,Ltd. wide spectrum of FILLOSHINE's products specializes in regeneration of skin cells to bring to you bright and crystal clear skin. BIO-SHINE Co.,Ltd. is expanding distribution, education and service business through B2B2C channel. With this, we will create more economic opportunities for all BIOSHINE's partners for many years to come.



TO INSPIRE SKIN CONFIDENCE

# FILLOSHINE

○ ○ ○ ● ○

## BIO-SHINE Company Introduction

### COMPANY VISION

Growth Factors & Biomimetic Peptides for Cosmeceuticals BIOSHINE Co., Ltd has developed bio-active recombinant proteins and growth factors using biotechnology, bio-mimetic peptides using solid phase synthesis technology, and plant stem cell materials using plant biotechnology. We are developing core materials for bio-active cosmetics and cosmeceuticals.

### BRAND MISSION

FILLOSHINE is a brand which is always pursuing innovation that breaks the status Quo and delivers beauty through continuous anti-aging research and plant cells development.

We strive to enhance the values of life standard through beauty.

Our mission is to ensure the complete satisfaction of our clients and promote maximum efficiency by manufacturing high performance cosmetics. We aim to be recognized by constantly attaining an equilibrium between beauty and well-being.

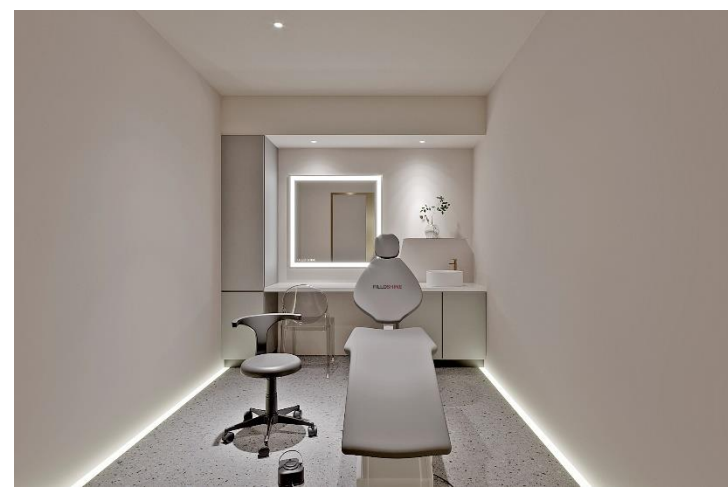
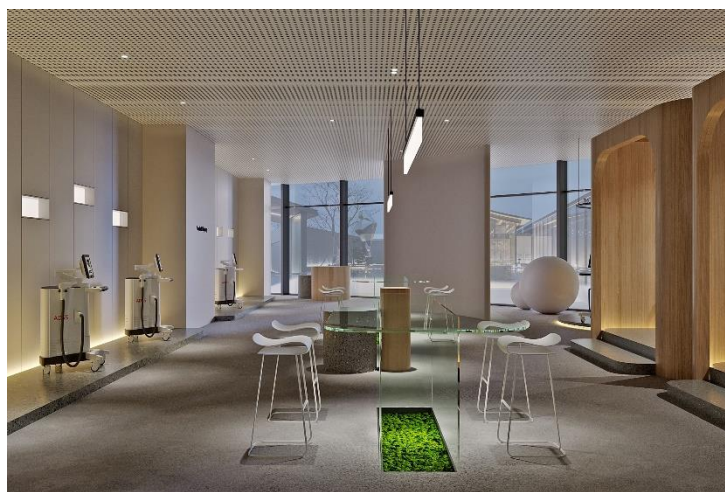
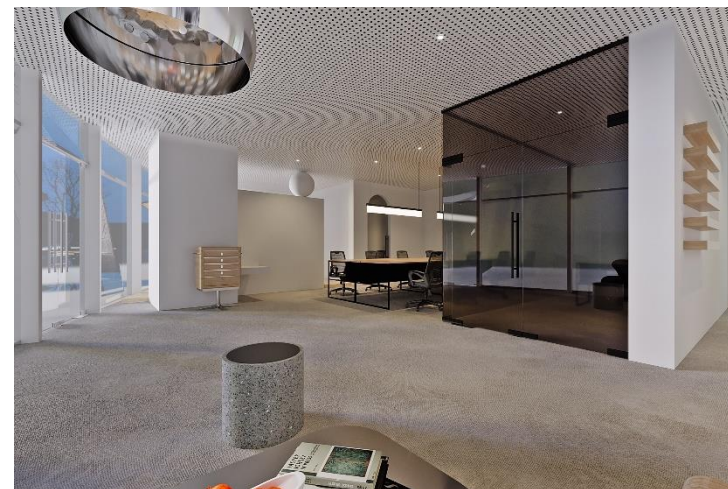
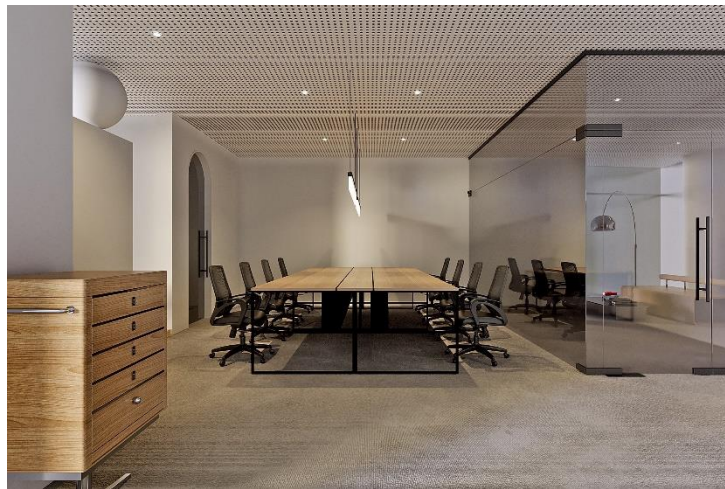


TO INSPIRE SKIN CONFIDENCE

# FILLOSHINE



BIO-SHINE  
Company Introduction



02

## 01 About Brand

BIO FD&C Intro  
BIO SHINE Intro  
- Company Introduction

## 02 About Filloshine

Brand Overview  
Brand Introduction  
Brand Identity  
Patents & New technologies  
Certification

## 03 About KIT series

Skin Regeneration Cycle  
Core Fundamental Concept  
Core Mechanism  
Core Formulation

## 04 About AC KIT

Causes of acne-prone skin  
KIT Therapy Base Effects  
Target Ingredient & Effects

## 05 Product Details

Product Information  
Use Protocol  
GFP Series (Collaboration use)  
Before & After



TO INSPIRE SKIN CONFIDENCE

# FILLOSHINE



## To Inspire Skin Confidence

### Brand Overview

### The Bioactive Growth Factors & Biomimetic Peptides for Cosmetics and Cosmeceuticals

One of the biggest causes of skin aging is the reduction and aging of fibroblasts.

Fibroblasts are the main cells of the dermis, and the proteins they produce affect skin elasticity and moisture, including collagen and elastin. The reduction of these fibroblasts will affect the production of collagen, making the dermis thinner, wrinkled, less elastic and darker.

FILLOSHINE is a combination of growth factors and biomimetic peptides necessary for the human body and skin. The active ingredients contained in filloshine promotes the regeneration of fibroblasts in the dermal layer of the skin and keratinocytes in the epidermal layer. Improves skin regeneration through a normal 28-day skin metabolic cycle to create the young, healthy and radiant skin.



TO INSPIRE SKIN CONFIDENCE

# FILLOSHINE

○ ● ○ ○

To Inspire Skin Confidence

Brand Overview

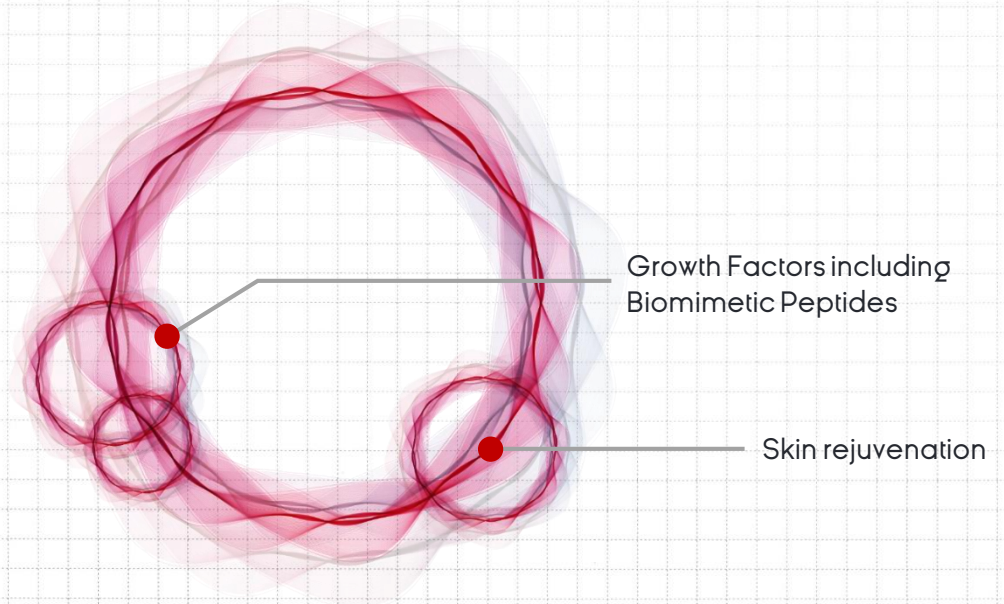
The Bioactive Growth Factors & Biomimetic Peptides for  
Cosmetics and Cosmeceuticals

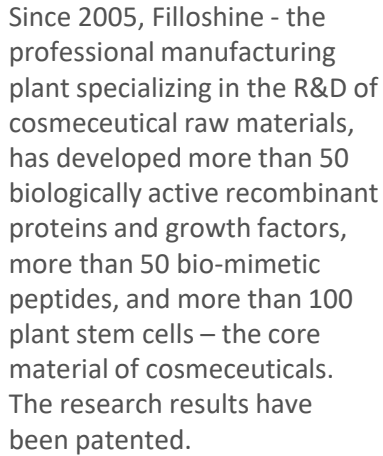
The name of Filloshine is a compound word of FILLO + SHINE.  
It means filling the skin to make the skin glow from within.

The circles in the LOGO represent cells, the large circles and  
circles of different sizes show cell lysis and produce another  
type of regenerative cell.

The multi-layered circles represent the three-dimensional  
effects after cell activation, bringing multiple effects.

FILLOSHINE Symbol logo



[illegible]



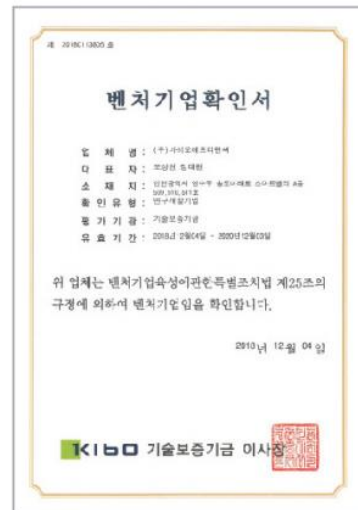
FILLOSHINE MANUFACTURER

# Certification

○ ○ ○ ●

Using cutting-edge biotechnology to carry out innovative research and development in the fields of anti-aging and treatment of skin diseases and continue to grow, it has successfully obtained investment from Givaudan, Switzerland, which ranks No. 1 worldwide in fragrance and active ingredients.

It has obtained ISO9001 (Quality Assurance System), ISO14001 (Environmental Management System), ISO22716 (Good Manufacturing Practice for Cosmetics) and other certifications. All active raw materials and products are safely produced in a strict & professional production environment.





03

## 01 About Brand

BIO FD&C Intro  
BIO SHINE Intro  
- Company Introduction

## 02 About Filloshine

Brand Overview  
Brand Introduction  
Brand Identity  
Patents & New technologies  
Certification

## 03 About KIT series

Skin Regeneration Cycle  
Core Fundamental Concept  
Core Mechanism  
Core Formulation

## 04 About AC KIT

Causes of acne-prone skin  
KIT Therapy Base Effects  
Target Ingredient & Effects

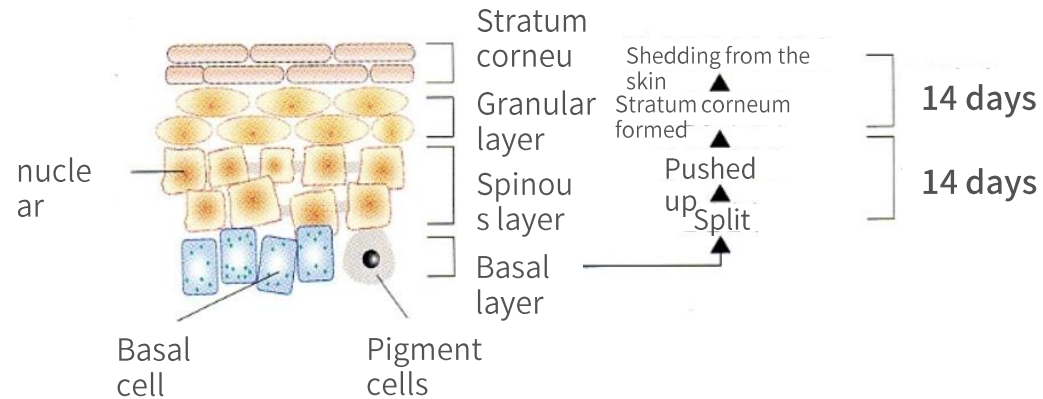
## 05 Product Details

Product Information  
Use Protocol  
GFP Series (Collaboration use)  
Before & After

# Skin Regeneration Cycle



## 28 days skin regeneration cycle



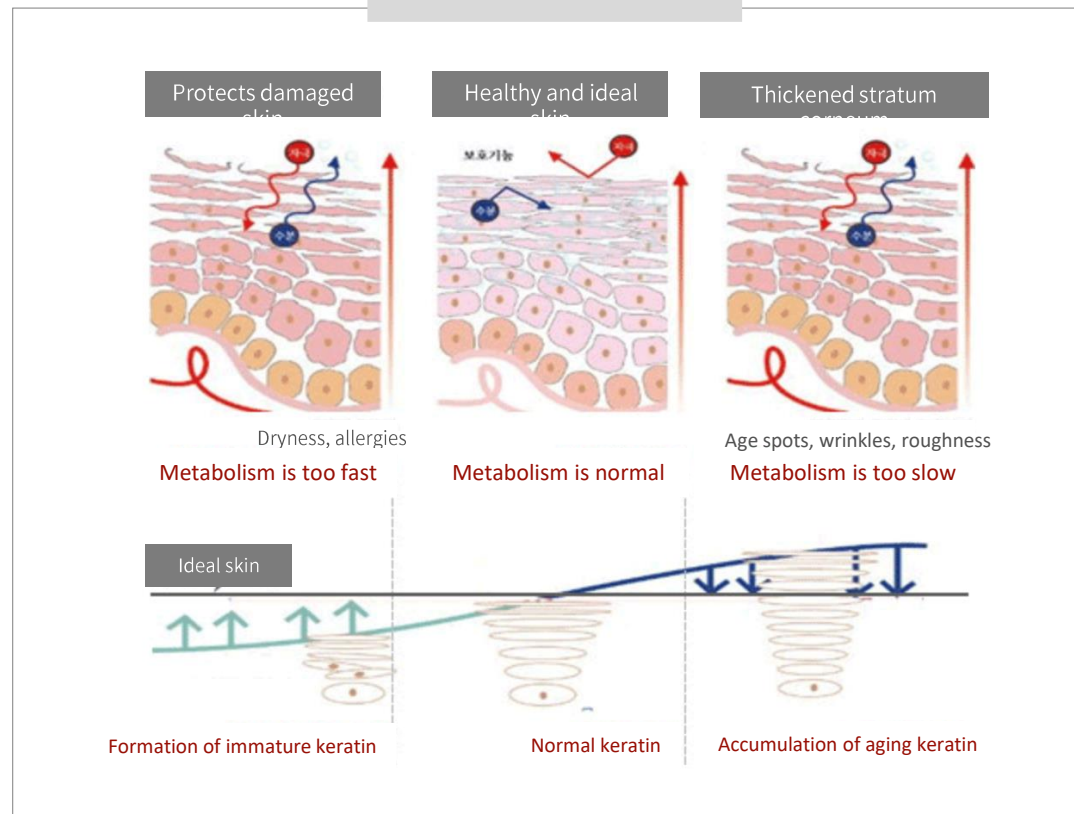
It is well-known that skin management should be carried out according to the 'skin regeneration cycle'. Failure to follow the original regeneration cycle of the skin may have side effects on the skin. Therefore, the skin regeneration cycle in skin management is an important factor that we must clearly understand.

The 'skin regeneration cycle' is closely related to keratinocytes. The keratinocytes formed in the basal layer do not stay at the position where they are formed but the newly formed cells are sequentially transferred to the basal layer, spinous layer, granular layer and stratum corneum. The dead keratinocytes stay in the stratum corneum and fall off.

The period of keratinocytes from birth to death and shedding from the skin is called the "skin regeneration cycle".

The regeneration cycle of healthy skin is 4 weeks - 2 weeks from birth to death of keratinocytes, and 2 weeks for dead keratinocytes to stay in the skin. According to the skin regeneration cycle, millions of new cells are generated every day, accompanied by the shedding of millions of dead cells.

# Skin Regeneration Cycle



## Create healthy and ideal skin

However, regeneration cycle of the unhealthy skin may be too long or too short.

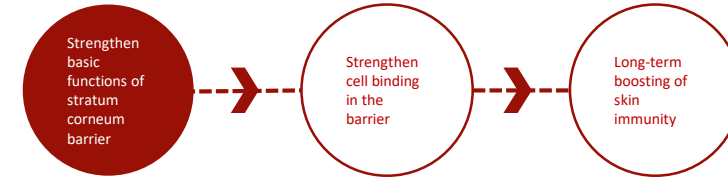
If the skin regeneration cycle is too long, the stratum corneum will thicken, causing rough skin. While aging, rough keratin appears on the skin which is also caused by low keratinocyte function and thick cuticle. In the case of young people, this symptom often appears on oily skin. Dead keratinocytes accumulate too much because of the abnormal skin regeneration cycle. This blocks pores and cause skin diseases such as acne.

On the contrary, it is possible that the skin regeneration cycle will be too short, eczema or psoriasis are representative examples. When the skin feels irritation such as itching or dryness, the method of rapid cell replacement is chosen to get rid of this condition as soon as possible. Therefore, the time for skin keratinocytes to move to the 4 layers of the epidermis is shortened from 4 weeks to 5 days. Too short a skin regeneration cycle can also cause too much keratin, leading to rough skin. 1000 dead keratinocytes accumulate and become visible dandruff. Therefore, the rough keratin that is visible to the naked eye can also be regarded as a side effect of shortening the skin regeneration cycle.

FILLOSHINE KIT SERIES

# Core Fundamental Concept 1/3

● ○ ○



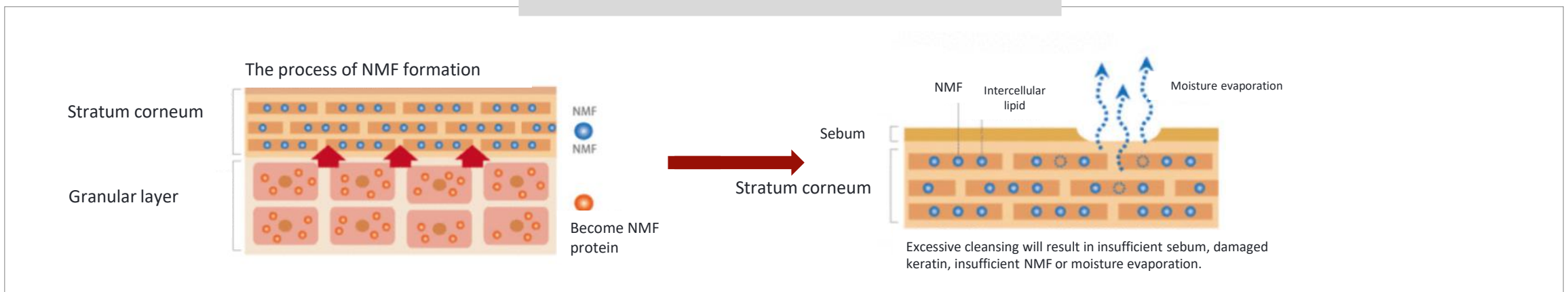
**Regulate proper skin regeneration cycle and improve self-immunity**

**Three core principles of Filloshine that are suitable for supporting the skin foundation**

The core of the skin's basic function is to maintain the normal operation of the barrier function because the skin is located in the outermost layer of the body facing the external environment. To protect the body from the external environment, it will maintain a healthy balance through its own defense system. The barrier function required for the best skin condition is categorized into three types, and the corresponding ingredients are added respectively to strengthen the skin's own immunity and promote a long-term health.

**Firstly**, Build a physical barrier through the keratinocytes of the stratum corneum and natural moisturizing factors

The core of supporting the basic function of healthy skin is to build a barrier function through the stratum corneum composed of an organic composite structure of protein and lipid components. Keratinocytes, differentiated from the basal layer, are composed of more than 20 kinds of fibrous proteins (keratins) through chemical bonding, and perform a complete barrier function and maintain the structure by stimulation or pressure from acid-base solutions and proteolytic enzymes. Furthermore, through the process of hydrolase, natural moisturizing factor (NMF) with amino acid as the main component is produced in the cell. Its structure is a hydrophilic chemical structure, which can prevent dryness by maintaining the water and electrolyte holdings in keratinocytes through unique ionic interactions.

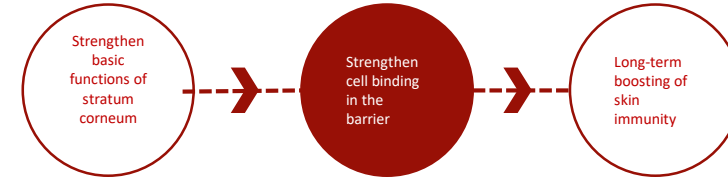




FILLOSHINE KIT SERIES

# Core Fundamental Concept 2/3

○ ● ○



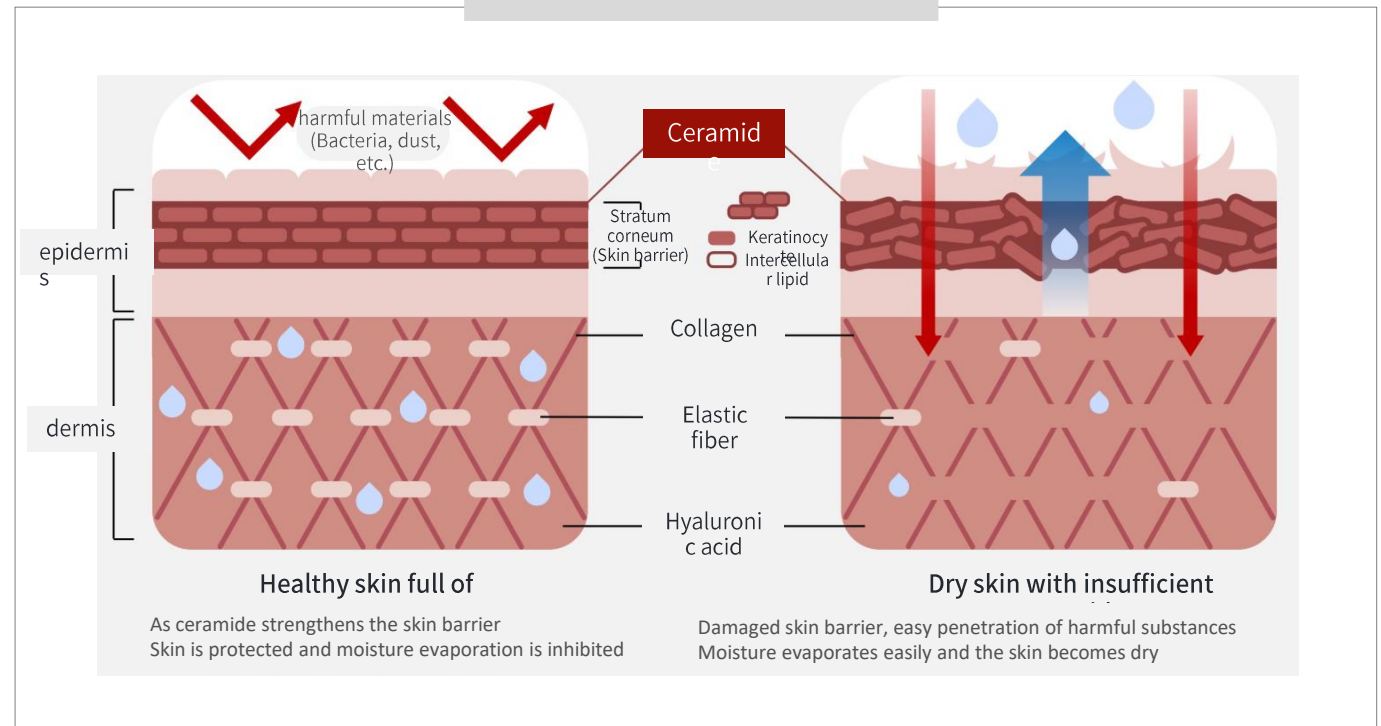
**Regulate proper skin regeneration cycle and improve self-immunity**

**Three core principles of Filloshine that are suitable for supporting the skin foundation**

**Secondly**, through the lipid and sebum membranes between stratum corneum cells, it performs chemical barrier and physical barrier functions. And through the skin surface lipid components that enhance the binding force between keratinocytes, it achieves a biochemical barrier effect, thereby establishing an organic defense system. According to the synthesis pathway, it can be divided into intercellular lipid components produced by epidermal cells and sebum differentiated from sebaceous glands.

The former is composed of ceramide, cholesterol, fatty acid and other components in a certain proportion, and has the functions of preventing moisture loss, absorption and permeation of external harmful substances. The latter is an acidic membrane on the skin surface composed of neutral fats. Through the process of transmitting signals according to pH changes, it regulates the activity of protease involved in the shedding of keratinocytes and plays an important role in maintaining the normal operation of the barrier function.

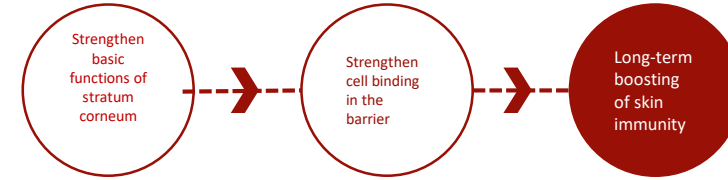
Filloshine AC/PG KIT products contain ingredients that replenish cell and intercellular lipids to make the skin structure better and firmer, as well as ingredients that improve skin barrier function.



FILLOSHINE KIT SERIES

# Core Fundamental Concept 3/3

○ ○ ●



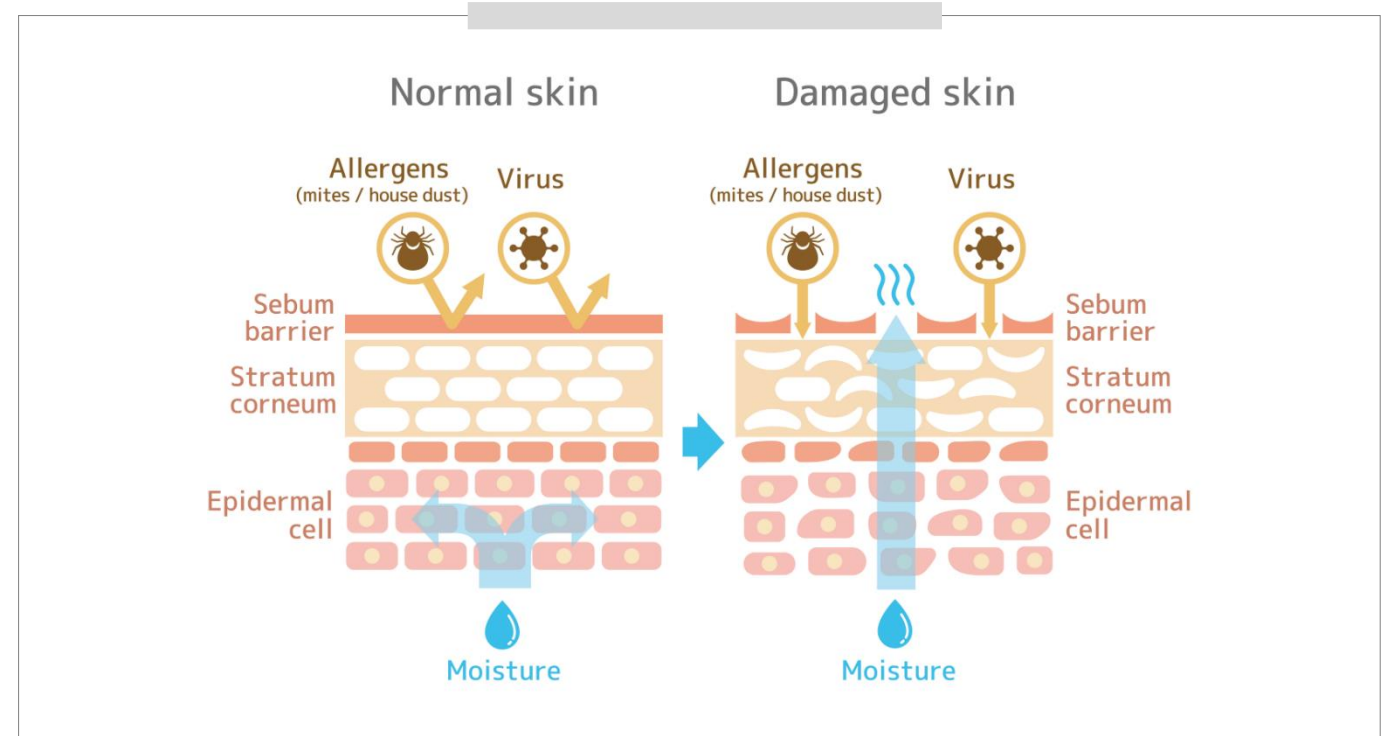
**Regulate proper skin regeneration cycle and improve self-immunity**

**Three core principles of Filloshine that are suitable for supporting the skin foundation**

**Thirdly**, according to the immune system formed in the cell unit, the skin reacts directly or indirectly to viruses, bacteria and other external harmful factors, thereby inducing signaling between cells and enabling it to perform its barrier function more actively.

The representative basal layer keratinocytes participate in the skin immune response by producing cytokines against various stimuli & inflammation and secreting antimicrobial peptides. Langerhans cells are the first to guide an immune response in the epidermis, and serve as the transmission of antigens (antigen, substances that cause immune responses) to other cells or adjacent lymphocytes.

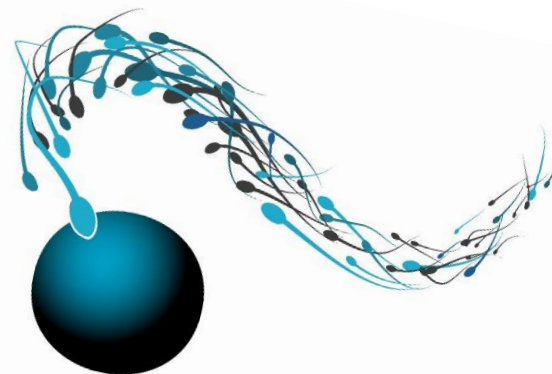
With the decline in the activity of such cells, when the immune system is abnormal, the ability to sense harmful external factors is reduced, and the substances that constitute the cell matrix are destroyed, making the skin stay in a vicious circle of decreased self-recovery ability against external stimuli. In other words, it is more important to maintain a healthy immune state by causing cell-to-cell bonding through continuing viability than simple short-term cell transmission.



FILLOSHINE KIT SERIES

# Core Mechanism

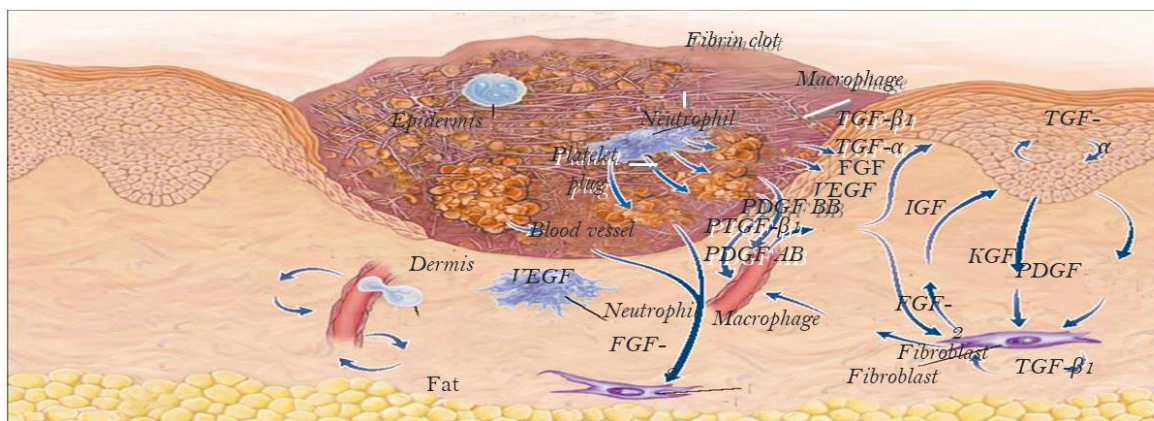
## Intocell- Growth Factors



When there's a wound on the skin, TGF- $\beta$ 1, FGF, IGF, KGF and other proteins are secreted around it to quickly restore the wound. The similarity of the secreted proteins is that they all carry the growth factor (abbreviation GF). The growth factor (a type of protein) is involved in various cell physiological phenomena including regulation of cell growth, differentiation, regeneration, and healing. From these effects, growth factors are applied to cosmeceuticals.

With the aging of human skin and pathological damage, the ability of human skin to produce multiple growth factors decreases. The core principle of cosmeceuticals and biological cosmetics is to continuously supply the skin with essential growth factors besides the ones produced by human body. This prevents aging and maintains a healthy condition with skin vitality.

In Filloshine products, the prescribed growth factor is IntoCell growth factor with better penetration ability. IntoCell growth factor is different from the previous growth factors, it is the core technology ingredient listed for the first time in the International Cosmetic Ingredient Dictionary (ICID) by the Filloshine manufacturing plant. The research and development of IntoCell growth factor focus on the sperm passing through the egg membrane when the sperm and egg are fertilized. Smaller peptides are attached to the protein existing in the human body to make it easier for the protein to penetrate into the skin. Compared with previous growth factors, intracellular growth factors possess good skin cell permeability. It has a synergistic effect with growth factors such as fibroblast growth factor, epidermal growth factor, keratinocyte growth factor, etc., regulating skin function, restoring normal skin regeneration cycle.



By Singer and Richard, Mechanisms of Disease. *The New England Journal of Medicine* 1999



Published academic papers on growth factors



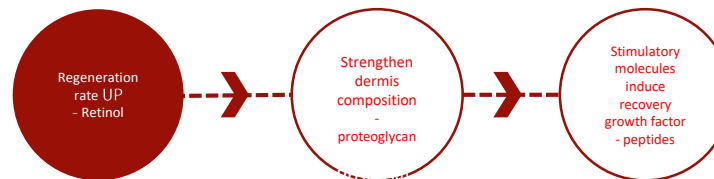
Patent No.10-1813560

Skin physiologically active external agent composition through cell growth factor

FILLOSHINE KIT SERIES

# Core Formulation 1/3

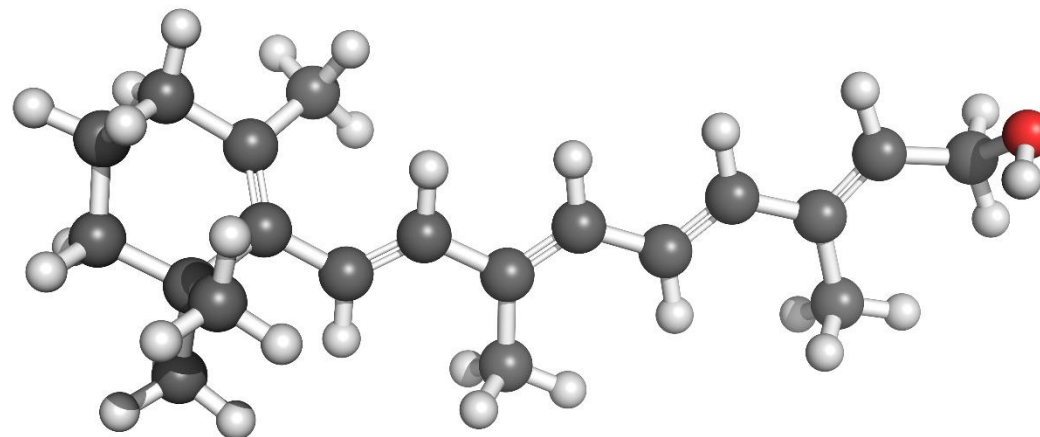
● ○ ○



Rather than just adding a lot of nutrients to the skin, it is better to help the skin regenerate and recover through its own viability. Maintain good condition for a long run & improve skin cell activity.

## Firstly, improve cell regeneration rate-retinol

First of all, for the integrity of skin tissue structure, focus on the normalization of metabolic functions that directly or indirectly affect cell activity. In cell activity, the low metabolic function will cause the epidermis and dermis fail to interact. As a result, keratinocytes accumulate on the surface of the skin, and typical aging phenomena such as thickening of the stratum corneum appear. Fundamentally speaking, in the basal layer of the epidermis and the dermis, choose the correspondingly strong active exfoliants to maximize cell regeneration rate and hydration. An exfoliant containing about 1% retinol, stimulates cell regeneration in the basal layer and helps normalize the overall metabolism.

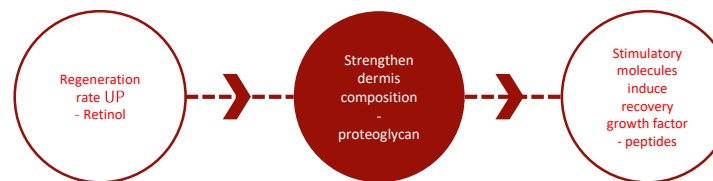




FILLOSHINE KIT SERIES

# Core Formulation 2/3

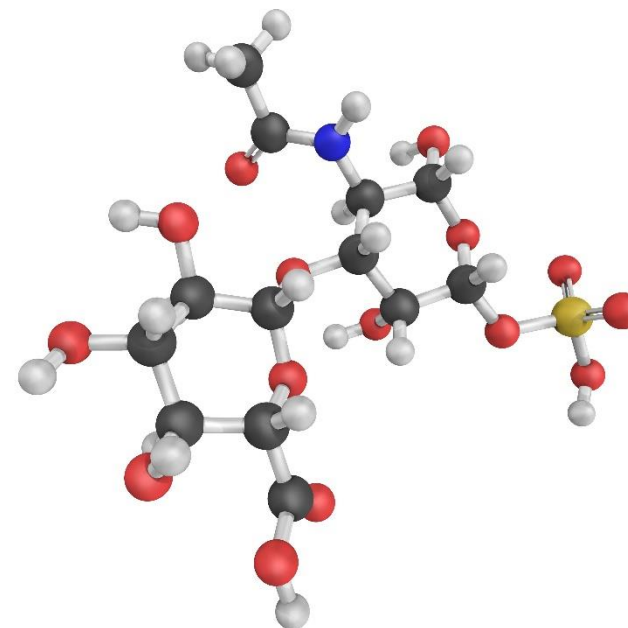
○ ● ○



Rather than just adding a lot of nutrients to the skin, it is better to help the skin regenerate and recover through its own viability. Maintain good condition for a long run & improve skin cell activity.

## Secondly, self-reinforcement of intradermal structures- proteoglycans

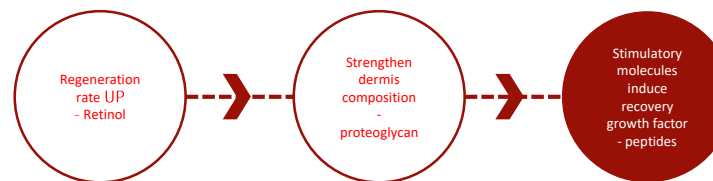
It supplies the core component that maintains the physical structure of the dermis - collagen, and extracellular lipid (ECM) components that fill in the gaps, helping to maintain skin elasticity and boost natural recovery ability of cells. The higher the content of high-purity animal-derived natural collagen with high biological similarity to the human body in the product, the better the skin care effect. Therefore, the use of fibroblasts that maintain the integrity of the skin structure, hyaluronic acid with inducing functional activity, and proteoglycan components that support the epidermal basement membrane, etc., maximize the product effect.



FILLOSHINE KIT SERIES

# Core Formulation 3/3

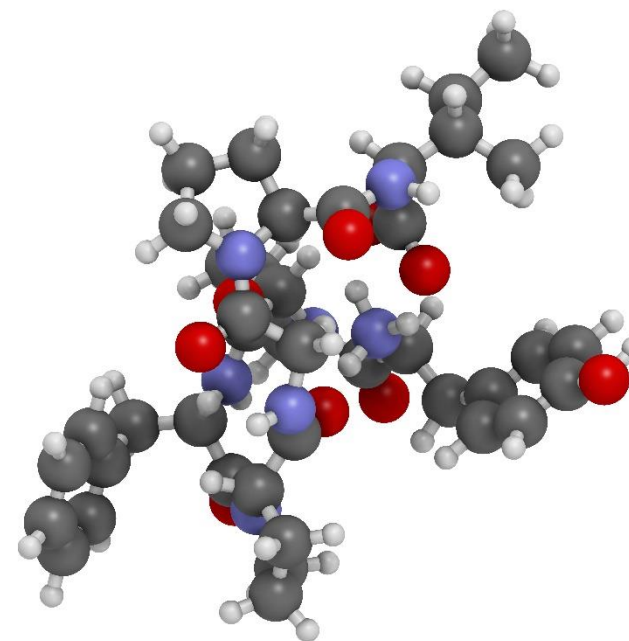
○ ○ ●



Rather than just adding a lot of nutrients to the skin, it is better to help the skin regenerate and recover through its own viability. Maintain good condition for a long run & improve skin cell activity.

**Thirdly**, stimulate the main molecules in the dermis and induce recovery – Fibroblast growth factor, peptide

To protect the core structure that maintains the elasticity and density of the skin tissue, it is recommended to directly stimulate the main components located in the dermis. For example, peptide components can promote the activity of fibroblasts that are responsible for the proliferation and differentiation of skin cells, help smooth signaling between cells, and effectively induce the natural synthesis process of core substance such as collagen. Fibroblast Growth Factor (FGF) can promote the division of fibroblasts that make up the collagen tissue in the dermis and, promoting firmer dermis tissue.



## FILLOSHINE KIT SERIES

# Core Formulation

Active ingredients and skin-friendly HA ingredients penetrate into different skin layers together

● ○ ○

Mix and match hyaluronic acid with different molecular sizes to replenish moisture to the skin from within layer by layer, presenting the hydrated & healthy skin all day long. Filloshine's core technology absorbs moisture 300~1000 times its weight.

*Skin Research and Technology 2015; 0: 1-8  
Printed in Singapore. All rights reserved.  
doi: 10.1111/srt.12228*

## Human skin penetration of hyaluronic acid of different molecular weights as probed by Raman spectroscopy

M. Essendoubi<sup>1</sup>, C. Gobinet<sup>1</sup>, R. Reynaud<sup>2</sup>, J. F. Angiboust<sup>1</sup>, M. Manfait<sup>1</sup> and O. Piot<sup>1</sup>

<sup>1</sup>MEDyC Unit, MEdIAN Biophotonique et Technologies pour la Santé, SFR CAP SANTE, CNRS UMR 7369, Faculty of Pharmacy, University of Reims Champagne – Ardenne (URCA), Reims, France and <sup>2</sup>Solance, Route de Bazancourt, Pommacle, France

**Background:** Topical delivery of molecules into the human skin is one of the main issues in dermatology and cosmetology. Several techniques were developed to study molecules penetration into the human skin. Although widely accepted, the conventional methods such as Franz diffusion cells are unable to provide the accurate localization of actives in the skin layers. A different approach based on Raman spectroscopy has been proposed to follow-up the permeation of actives. It presents a high molecular specificity to distinguish exogenous molecules from skin constituents.

**Methods:** Raman micro-imaging was applied to monitor the skin penetration of hyaluronic acids (HA) of different molecular weights. The first step, was the spectral characterization of these HA. After, we have determined spectral features of HA by which they can be detected in the skin. In the second part, transverse skin sections were realized and spectral images were recorded.

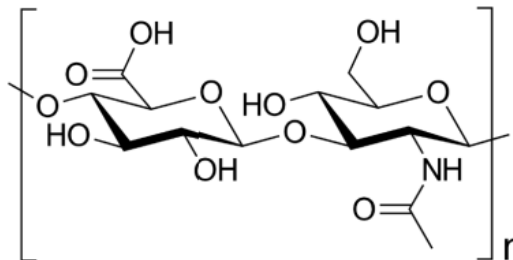
**Results:** Our results show a difference of skin permeation of the three HA. Indeed, HA with low molecular weight (20-300 kDa) passes through the stratum corneum in contrast of the impermeability of high molecular weight HA (1000-1400 kDa).

**Conclusion:** Raman spectroscopy represents an analytical, non-destructive, and dynamic method to evaluate the permeation of actives in the skin layers.

**Key words:** Raman spectroscopy – hyaluronic acid of different molecular weight – skin – penetration/permeation – localization

© 2015 John Wiley & Sons A/S. Published by John Wiley & Sons Ltd  
Accepted for publication 15 February 2015

© 2015 John Wiley & Sons A/S.  
Published by John Wiley & Sons Ltd  
Skin Research and Technology



Hyaluronic acid does not all have the same forms and effects. According to how the manufacturer adjusts the molecular weight and form, its specific effect is then determined. For example, the macromolecular hyaluronic acid has a large molecular weight and therefore cannot penetrate into the skin. A moisturizing film is formed on the epidermis which acts as a moisturizer to prevent moisture loss in the outer layer of the skin.

On the contrary, the small and medium-molecular hyaluronic acid has a small molecular weight and can penetrate into the dermis, helping to store and supply water in the extracellular lipids. This helps dermal tissue maintain its softness and elasticity. This prevents decrease in collagen and elastic fibers caused by aging, and the weakening of skin function, and thus helping to achieve recovery. Hyaluronic acid has an anti-aging effect according to its molecular size. Unfortunately, due to its large molecular weight, and its role in the cosmetics field is limited to a moisturizer on the skin surface.

However, with the development of science and technology in recent years, the framework of hyaluronic acid has changed. With the development of small molecular hyaluronic acid, skin care products enable us to enjoy all the characteristics of large and small molecular hyaluronic acid.

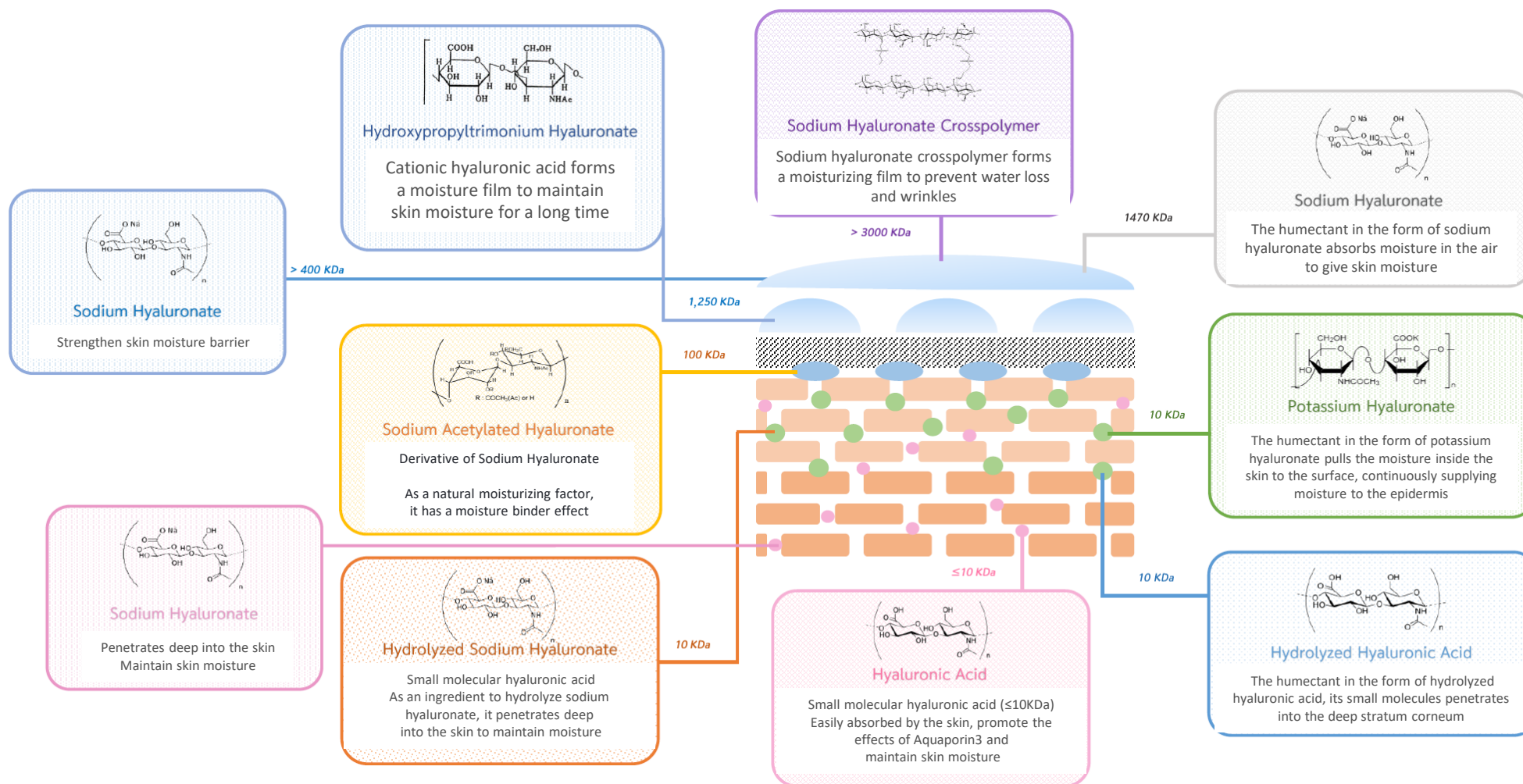
HyalDeca Complex is a moisturizing raw material made of 10 types of hyaluronic acid mixed together. As a raw material made of 8 kinds of hyaluronic acid component and 2 kinds of large and small molecules of sodium hyaluronate, it has the effects of improving skin moisture penetration and reducing wrinkle depth. It is a core technology that has also been proved by SCI papers.

FILLOSHINE KIT SERIES

# Core Formulation

Active ingredients and skin-friendly HA ingredients penetrate into different skin layers together

○ ● ○



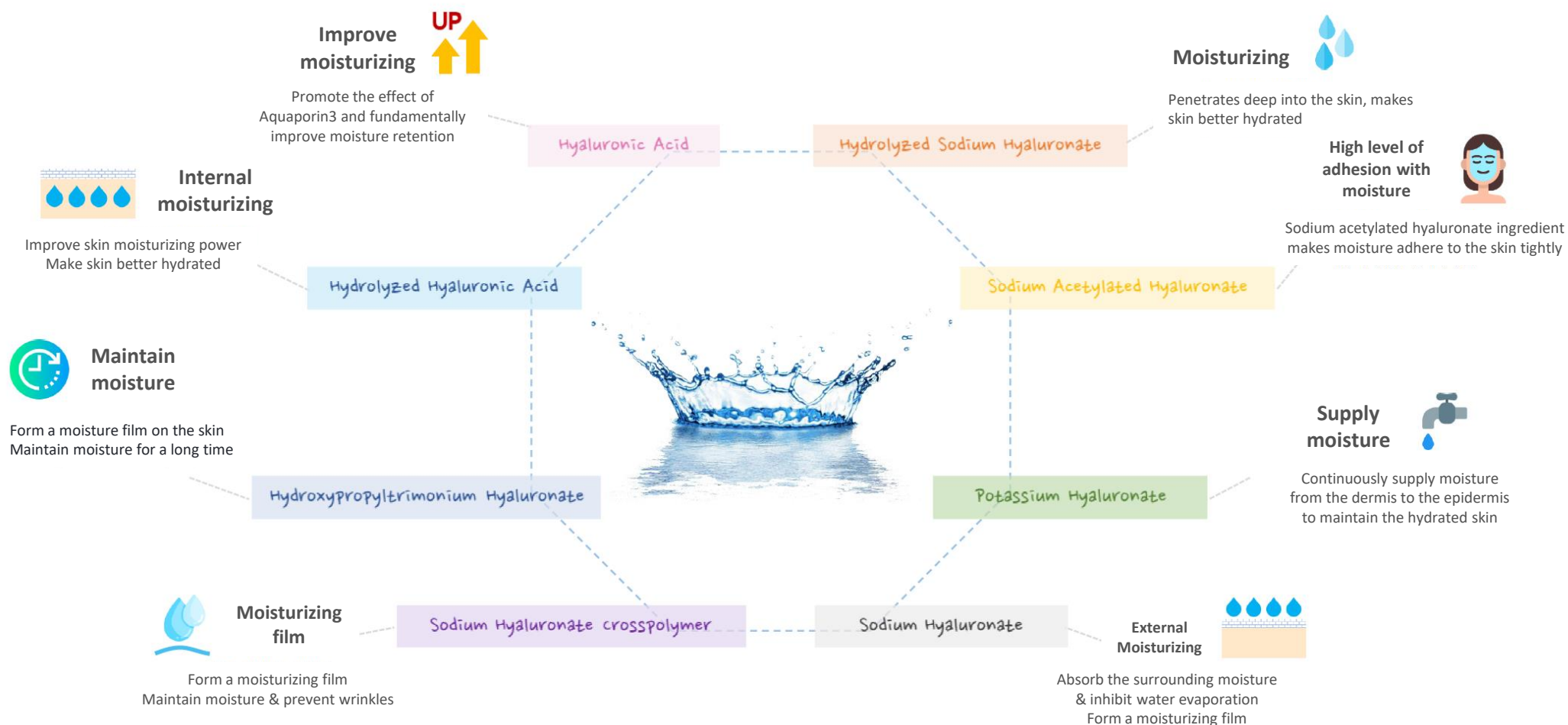


FILLOSHINE KIT SERIES

# Core Formulation

Active ingredients and skin-friendly HA ingredients penetrate into different skin layers together

○ ○ ●



04

## 01 About Brand

BIO FD&C Intro  
BIO SHINE Intro  
- Company Introduction

## 02 About Filloshine

Brand Overview  
Brand Introduction  
Brand Identity  
Patents & New technologies  
Certification

## 03 About KIT series

Skin Regeneration Cycle  
Core Fundamental Concept  
Core Mechanism  
Core Formulation

## 04 About AC KIT

Causes of acne-prone skin  
KIT Therapy Base Effects  
Target Ingredient & Effects

## 05 Product Details

Product Information  
Use Protocol  
GFP Series (Collaboration use)  
Before & After

# Causes of acne-prone skin



There are many reasons for acne formation, but the main 4 reasons are as follows:

## First, the excessive proliferation and keratinization of hair follicle epidermal cells

It refers to the thickening of the pores. The epidermal cells that accumulate for thickening can clog the pores, resulting in accumulation of keratin, sebum, and acne bacteria in the hair follicles which can become small pimples that mark the beginning of acne formation.

## Second, propionibacterium acnes

Acne bacillus causes inflammation near the sebaceous glands of hair follicles, promotes excessive proliferation and keratinization of hair follicle epidermal cells, induces and worsens acne.

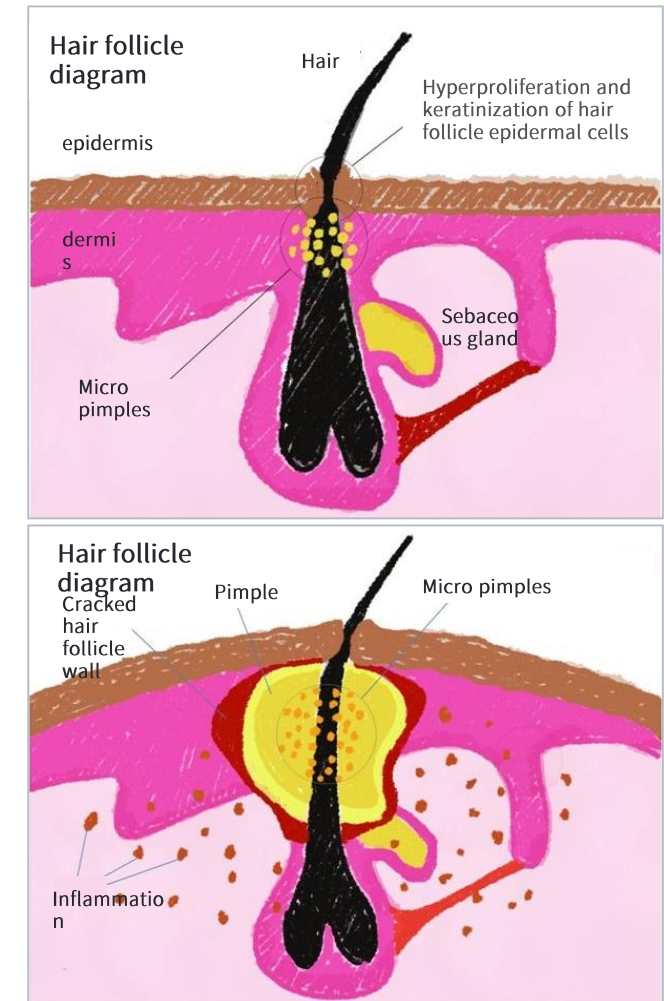
## Third, excessive sebum production

Sebum not only promotes the formation of small pimples but also induces the propionibacterium acne cluster to trigger an inflammatory response, which again promotes the secretion of sebum, causing and worsening acne.

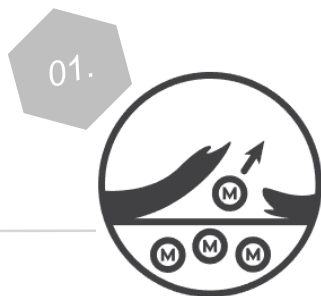
## Fourth, inflammatory mechanisms

Excessive proliferation and keratinization of hair follicle epidermal cells, acne bacillus, excessive sebum and other factors increase acne size gradually. These eventually become large enough to break the hair follicle wall. Keratin, sebum, and propionibacterium acne coming out of the cracked hair follicle wall cause inflammation on the skin, and cause the secretion of various inflammatory substances with stimulation which gradually worsens the acne.

The common acne is caused by a combination of biological reasons and complex factors around us. Well-known congenital genetic factors, health status, living habits, daily life conditions and other factors may play a decisive role in causing or worsening acne.

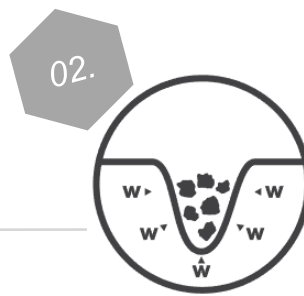


# Three causes of acne



## Imbalanced health

The liver is mainly responsible for the production of fatty acids required for the synthesis of sebum and hormones in the body, but various metabolic wastes and metabolites are not properly filtered and discharged to the skin tissues, which have a direct impact on the production of sebum and cause acne.



## Stress

Stress can lead to an imbalance of hormones circulation in the body, increase sebum production, and activate neuropeptides in peripheral nerves. It stimulates the proliferation of sebaceous glands and causes acne.



## Ultraviolet rays

Ultraviolet rays can cause excessive dehydration of the skin surface or thicken the stratum corneum, leading to the proliferation of bacteria, hindering the smooth secretion of sebum and causing acne.

FILLOSHINE AC KIT PRO

# KIT Therapy Base Effects

○ ○ ● ○

01

## Improve acne and inhibit scar formation

- Anti-acne and anti-inflammatory effects to soothe sensitive skin, helping improve acne
- Promote the production of extracellular matrix (ECM) in the skin, helping heal wound & inhibit scar formation

02

## **Promote regeneration and improve elasticity**

- Improve cell repair power and help promote skin regeneration
- Promote the synthesis of keratinocytes, fibroblasts and collagen, helping improve skin elasticity and prevent aging

03

## **Moisturizing**

- Natural moisturizing factors provide sufficient moisture to the skin, helping improve the internal moisturizing ability of the skin
- Prevent skin aging and wrinkles

04

## **Maintain healthy skin**

- Provides moisture and nutrients to the deep layers of the skin, helping to maintain healthy cells
- The biologically active ingredients present in the skin act on the epidermis and dermis, helps to improve skin circulation and maintain healthy skin



# Target Ingredient & Effects

○ ○ ○ ●

## Anti-acne, anti-inflammatory **Acnobet**

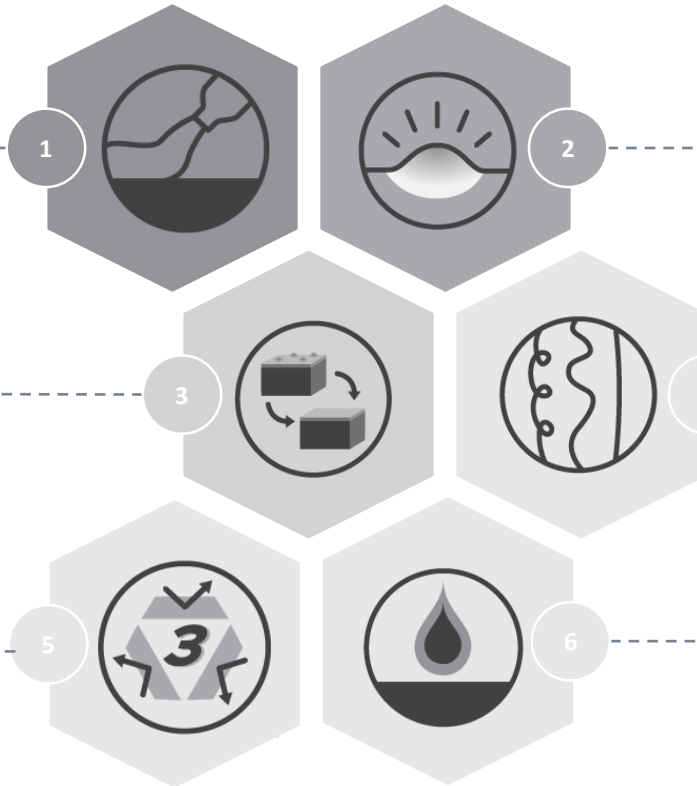
It is a peptide with anti-acne and anti-inflammatory effects for treating acne and boosting epidermal cell health. Biologically speaking, it has antibacterial and anti-inflammatory effects on propionibacterium acne.

## Promotes cell growth & collagen synthesis **TRX**

As a powerful antioxidant protein that inhibits reactive oxygen species, it affects cell life. Prevent cell death and low function, inhibit skin aging. During skin regeneration, it promotes cell growth and collagen synthesis.

## Relieves sensitive skin, anti-itch, and anti-inflammatory **phyto-NEP**

As a trouble-improving and sensitive skin relief peptide, it balances unbalanced receptors that cause itching, enabling remarkable anti-itch and anti-inflammatory effects.



## Regenerate skin and improve immunity **IL-10/1b/8/6/2**

It is a growth factor that acts on the immune system and is necessary to combat various skin problems such as acne and pimples and maintain a healthy skin condition. It can participate in skin regeneration, improve the inner and outer layers of damaged skin, and improve skin immunity.

## Prevent skin aging, skin stress **Hydroxydecyl Ubiquinone**

It has 10 times the antioxidant effect of coenzyme Q10 and 4 times the vitamin C, effectively preventing skin aging and skin stress caused by active oxygen.

## Maintain healthy skin condition **IFN-r**

As a part of innate immunity, it protects the human body. It is an essential growth factor for the skin to fight various skin problems and maintain a healthy state.

05

## 01 About Brand

BIO FD&C Intro  
BIO SHINE Intro  
- Company Introduction

## 02 About Filloshine

Brand Overview  
Brand Introduction  
Brand Identity  
Patents & New technologies  
Certification

## 03 About KIT series

Skin Regeneration Cycle  
Core Fundamental Concept  
Core Mechanism  
Core Formulation

## 04 About AC KIT

Causes of acne-prone skin  
KIT Therapy Base Effects  
Target Ingredient & Effects

## 05 Product Details

Product Information  
Use Protocol  
GFP Series (Collaboration use)  
Before & After

## IMPROVEMENT OF ACNE SKIN

# FILLOSHINE AC KIT PRO PRODUCT LINE UP



FILLOSHINE AC KIT PRO product can increase cell regeneration rate. The contained retinol and proteoglycan components strengthen the constituents of the dermis, and normalize the overall skin metabolism by stimulating cells.

To protect and maintain the core structure of skin tissue elasticity and density, it is recommended to directly stimulate the main components of the dermis. For example, peptide components can promote the activity of fibroblasts that are responsible for the proliferation and differentiation of skin cells, help smooth signaling between cells, and effectively induce the natural synthesis process of core substances such as collagen. Fibroblast Growth Factor (FGF) can promote the division of fibroblasts that make up the collagen tissue in the dermis and help the dermis tissue to become firmer.

The product induces and activates the function of collagen and fibroblasts to exfoliate while supplying nutrients to the skin, thereby maintaining skin elasticity and density.



## STEP 1



FILLOSHINE KIT PRO MULTI ACTIVATOR  
필로샤인 키트 프로 멀티 액티베이터

## STEP 2



FILLOSHINE KIT PRO PH BALANCING EMULSION  
필로샤인 키트 프로 pH 밸런싱 에멀전

## STEP 3



FILLOSHINE AC KIT PEELING PRO 4.5  
필로샤인 아크 키트 필링 프로 4.5

## STEP 4



FILLOSHINE KIT PRO BOOSTER AMINO POWDER  
필로샤인 키트 프로 부스터 아미노 파우더

## STEP 5



FILLOSHINE GFP AC KIT AMPOULE PRO  
필로샤인 GFP 아크 키트 앰플 프로

## STEP 6



FILLOSHINE AC KIT DERMA COVER CREAM  
필로샤인 아크 키트 더마 커버 크림

## IMPROVEMENT OF ACNE SKIN

# Product Information



## STEP 1

120ml / 4.057fl.oz



FILLOSHINE KIT PRO MULTI ACTIVATOR

필로샤인 키트 프로 멀티 액티베이터

## Product Introduction

The product contains ceramides, peptides, hyaluronic acid, collagen and amino acids and other skin tissue components which help supply the skin with nutrients. The natural moisturizing factor (NMF) related ingredients replenish the moisture needed inside and outside the keratinocytes, continuously presenting a moisturizing feeling, helping to soothe the skin and cleanse the skin texture.

## Main ingredients

Aloe vera (L.) Burm.f. leaf water, Glucono delta-lactone, peptide, ceramide, collagen, hyaluronic acid, sodium pyrrolidone carboxylate

## How to use

After cleansing, take an appropriate amount of the product on the palm or cotton pad, and apply it evenly to the face to promote absorption.

## Product effects

- Soothe the skin and cleanse the skin texture
- Low irritation formula that can be used for sensitive skin
- The first step of skin care



## IMPROVEMENT OF ACNE SKIN

# Product Information

○ ● ○ ○ ○ ○

## STEP 2

120ml / 4.057fl.oz



FILLOSHINE KIT PRO PH BALANCING EMULSION

필로샤인 키트 프로 pH 밸런싱 에멀전

## Product Introduction

The product contains ceramides, peptides, hyaluronic acid, collagen and amino acids and other skin tissue components which help to supply moisture to the skin stimulated by physical and chemical exfoliation, and soothe irritation. The ingredients that restore normal pH value help the skin to speed up the recovery speed.

## Main ingredients

Aloe vera (L.) Burm.f. leaf water, peptides, ceramide, collagen, hyaluronic acid, sodium pyrrolidone carboxylate

## How to use

Apply an appropriate amount of the product to areas need more cares, massage gently until it is completely absorbed.

## Product effects

- Normalize skin condition by adjusting pH
- Moisturizing, soothing
- Generate a skin moisturizing film

## IMPROVEMENT OF ACNE SKIN

# Product Information

○ ○ ● ○ ○ ○

## STEP 3

45ml / 1.52fl.oz



FILLOSHINE AC KIT PEELING PRO 4.5

필로샤인 아크 키트 필링 프로 4.5

## Product Introduction

The product contains 0.5% BHA and 4% PHA. It exfoliates with a combination of salicylic acid and Glucono delta-lactone in a total of 4.5%. Although it is a chemical and physical exfoliating product, it promotes skin regeneration and recovery with minimal stimulation. It also contains ingredients such as turmeric extract, sulfur extract, and propolis extract that help soothe acne, sensitive and red skin.

## Main ingredients

BHA0.5%, PHA4%, turmeric root extract, cinnamon bark extract, propolis extract

## How to use

Use a dropper to take an appropriate amount of the product, use it alone or mix it with MULTI ACTIVATOR, or BOOSTER AMINO POWDER. After evenly mixed, use a beauty brush or mixing spatula to apply it evenly to the face. Lastly, use a warm towel or sponge to wipe and clean the face.

## Product effects

- Keratin and pore management
- Regeneration, improve skin flexibility
- Brighten skin tone

## IMPROVEMENT OF ACNE SKIN

# Product Information

○ ○ ○ ● ○ ○

## STEP 4

30g / 1.058oz



FILLOSHINE KIT PRO BOOSTER AMINO POWDER

필로샤인 키트 프로 부스터 아미노 파우더

## Product Introduction

The amino acid powder with protein as the main ingredient rubs against the dead keratinocytes in the outermost layer of the skin, and induces the natural shedding of keratin. Grain ingredients crushed into fine powders help clean the deep pores and play a supporting role. The product can be mixed with exfoliating products and adjusted to the appropriate concentration and amount according to the customer's skin type.

## Main ingredients

Pure amino acid complex, vitamin C, corn starch

## How to use

Take an appropriate amount of this product and MULTI ACTIVATOR in a glass bowl, and mix well with a beauty brush. Spread the generated foam evenly on the face, gently massage in circular motions to remove unnecessary keratin. Finally, use a warm towel or sponge to wipe and clean.

## Product effects

- Fine foam to remove old waste
- Induces exfoliation of keratin and normalizes a 28-day metabolic cycle
- Remove whiteheads and blackheads, regulate water and oil balance

## IMPROVEMENT OF ACNE SKIN

# Product Information

○ ○ ○ ○ ● ○

## STEP 5

45ml / 1.52fl.oz



FILLOSHINE GFP AC KIT AMPOULE PRO

필로샤인 GFP 아크 키트 앰플 프로

## Product Introduction

This product is the core product of FILLOSHINE AC KIT PRO. GFP stands for Growth Factor & Peptide. The growth factors and peptides contained in the product replace proteins that are growing slow or unable to grow in the body. This participates in the proliferation, growth, and division of cells, and play a role in improving the self-viability of the skin. It also contains Acnobet, Hydroxydecyl Ubiquinone, TRX, IFN-γ and other ingredients which can improve acne-prone skin condition and relieve sensitive skin.

## Main ingredients

Acnobet, Hydroxydecyl Ubiquinone, sh-Polypeptide-6, sh-Polypeptide-18, sh-Polypeptide-43, sh-Polypeptide-2, sh-Polypeptide-38, Caffeoyl sh-Decapeptide-9

## How to use

Take an appropriate amount of the product and apply it evenly to the face, use with beauty equipment to promote better absorption of the product.

## Product effects

- Improve acne and inhibit scar formation
- Promote regeneration and improve skin elasticity
- Moisturizing
- Maintain healthy skin



## IMPROVEMENT OF ACNE SKIN

# Product Information

○ ○ ○ ○ ○ ●

## STEP 6

3g \* 10ea / 0.105oz



FILLOSHINE AC KIT DERMA COVER CREAM  
필로샤인 아크 키트 더마 커버 크림

## Product Introduction

The product contains 10 kinds of hyaluronic acid ingredients that relieve temporary irritation in the final stage of skincare management, helping to relieve irritation and moisturize skin layers. It also contains retinol, proteoglycans, fibroblast growth factors and peptides that promote skin regeneration, helping to restore a healthy 28-day metabolic cycle. Besides, it also contains separate ingredients that improve sensitive and acne-prone skin condition. It can be used not only after skincare management but also as a night cream.

## Main ingredients

10 kinds of hyaluronic acid, retinol, proteoglycans, peptides, Centella asiatica extract

## How to use

In the final stage of skincare management, take an appropriate amount of product and apply it evenly to the face, and gently massage until it is completely absorbed.

## Product effects

- Moisturizing and soothing
- Promote regeneration and improve skin elasticity
- Relieve acne-prone skin

IMPROVEMENT OF ACNE SKIN

# Components

.....





## AC KIT PRO components:

- ① AMINO POWDER SPOON \*1ea
- ② FILLOSHINE SOFT BRUSH \*1ea
- ③ BEMLISE LAPPING MASK \*10ea

## IMPROVEMENT OF ACNE SKIN

# Filloshine AC Use Protocol

● ○ ○ ○ ○ ○ ○

1. Peeling						
						
<b>1. Skin preparation</b>  Using multi-activator, gently wipe along the skin texture.	<b>2. Layered peeling</b>  According to your skin type, mix AC/PG KIT PRO's activator, peeling, and boosting powder and apply it on your face.  ** Use a beauty brush to evenly stir the product well, to generate a firm foam. Use the beauty brush to take a proper amount of foam and turn it over. Apply it on the face when the brush is turned over and does not fall off.	<b>3. Steam</b>  Place the 14g sheet of Bemlese and use the hot steamer for about 5 minutes.	<b>4. Amino peeling</b>  After removing the sheet, perform scrub peeling with booster amino powder.	<b>5. PH neutralization Massage</b>  Use PH BALANCING EMULSION to gently massage to neutralize the exfoliated keratin and amino acid powder and promote pH normalization, then wipe off the residue with a paper towel and sponge.	<b>6. Ultra RF DeepThermal Massage</b>  Apply PH Balancing Emulsion to your face, then apply massage technique and Ultra Toning RF deep thermal massage.	<b>7. MTS Management</b>  Using ultraspa to remove oils and residues from the skin, while moisturizing and soothing with a spray gun.
2. Enhance		3. Calming			4. Wrap up	
						
<b>8. Nano-tok Management</b>  According to the skin type 1 vial of GFP 10.5/AC 10.5/PG10.5 is penetrated into the skin with Nano Tok.	<b>9. Ultratoning Management</b>  After setting its function according to the skin type, use the special 3/10MHz handpiece for the face and AMPOULE PRO in AC/PG KIT PRO to promote product absorption.	<b>10. Regeneration/ Calm Management</b>  Take an appropriate amount of MULTI ACTIVATOR and PH BALANCING EMULSION in AC/PG KIT PRO, stir and apply to the face, apply stretched wet cotton pad  ** and apply the product again to improve the moisturizing effect.	<b>11. SHB645 LED Management</b>  After applying cotton pads and wear eye protection over the eyes, use SHB645 LED LIGHT for 15 minutes of PDT light therapy.	<b>12. Modeling Management</b>  Soothes the skin for 15-20 minutes using a modeling pack (powder, liquid gel, cream texture).	<b>13. Barrier reinforcement Management</b>  After applying activator and PH balancing emulsion, apply AC/PG KIT PRO derma cover cream according to the skin type.  ** * Give the balance to the customer, and it is recommended to be used that night.	<b>14. Skin protection Management</b>  To protect the skin from ultraviolet rays, apply sunscreen and BB cream.

## IMPROVEMENT OF ACNE SKIN

## FILLOSHINE GFP AC 10.5



## Collaboration USE GFP Series

**Immune related cytokines**

Regulate skin condition balance and improve immunity

**Amino acids/vitamins/minerals**

Restore healthy skin condition

**Hyaluronic acid**

Create healthy and smooth skin

**Hydroxydecyl ubiquinone**

Prevent and eliminate skin pressure



## GFP AC 10.5



Acne is no longer the problem faced by adolescents only. Depending on the skin type and environmental factors, it can be a skin problem faced by adults at any time. Especially for adults, the ability to regenerate the skin gradually declines while aging. It takes a long time from having acne to full recovery. Moreover, if the skin management is neglected, the acne will recur or leave acne scars at the same spots.

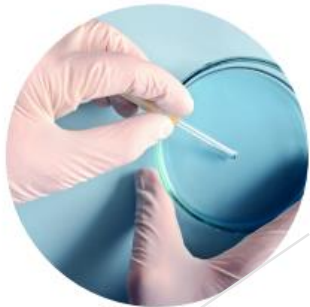
FILLOSHINE GFP AC 10.5 is formulated with low-irritation and skin-friendly ingredients necessary for acne-prone skin which reduces skin irritation. The immune-related cytokines contained in the product have antibacterial and anti-inflammatory effects on acne bacteria, regulating skin balance and helping inhibit the cause of acne. Besides, the cytokines help soothe sensitivity and restore healthy skin's amino acids/vitamins/minerals and natural moisturizing factor hyaluronic acid, creating healthy and smooth skin. Lastly, antioxidant and immune-boosting ingredients help prevent and eliminate skin stress, protecting the skin and making the skin healthier.



FILLOSHINE GFP SERIES

# GFP Series Main Ingredients and Effects

○ ○ ○ ● ○ ○ ○



## IntoCell-Growth Factors

IntoCell growth factor is different from the previous growth factors, it is the core technology ingredient listed for the first time in the International Cosmetic Ingredient Dictionary (ICID) by the Filloshine manufacturing plant. Compared with previous growth factors, intracellular growth factors possess good skin cell permeability. It has a synergistic effect with growth factors such as fibroblast growth factor, epidermal growth factor, keratinocyte growth factor, etc., regulating skin function, restoring normal skin regeneration cycle. Patent No.10 -1813560, Patent Name: Skin physiologically active external agent composition through cell growth factor



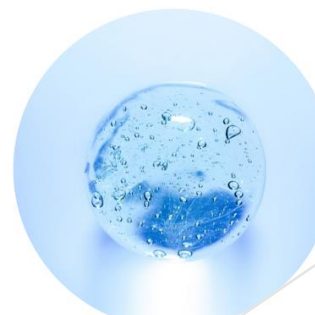
## Peptides

Biomimetic peptides are small-molecule biomaterials composed of amino acids and are a new generation of bioactive materials with high activity and safety. It has a small molecular structure and can easily penetrate into the skin. It helps to synthesize collagen and elastic fibers while eliminating damaged collagen and elastic fibers, inhibiting scar formation, and helping skin regeneration and strengthening the skin barrier.



## Amino acid, mineral and Vitamin

Amino acids, vitamins and minerals provide skin cells with rich nutrition and optimal pH value, osmotic pressure, etc., creating a healthy cell growth environment for the skin.



## Hyaluronic acid

Hyaluronic acid exists between the collagen and elastic fiber tissue of the dermis. If hyaluronic acid is lacking, the empty space will sink. Hyaluronic acid can store moisture more than 1,000 times its own weight. As a natural moisturizer with the best moisturizing power, it provides sufficient moisture and moisturizing feeling to the skin, giving the skin glow and improved elasticity, while preventing the intrusion of harmful substances such as bacteria.

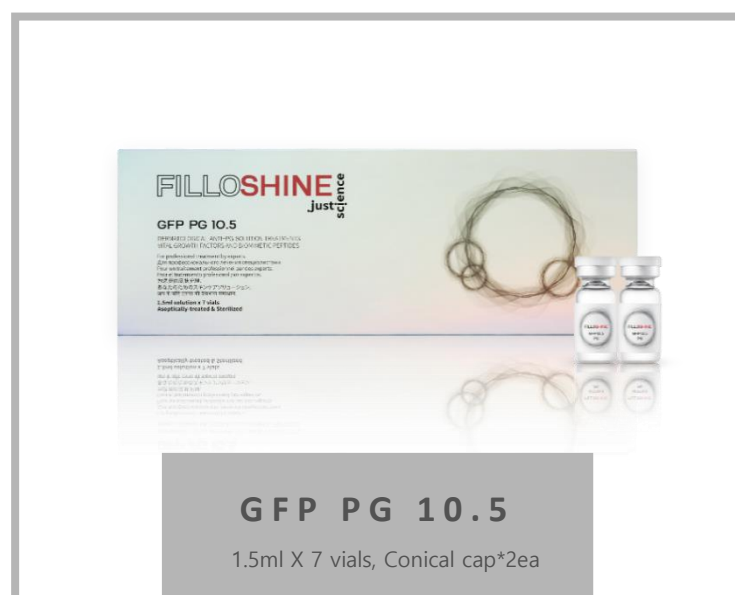
# FILLOSHINE GFP SERIES

○ ○ ○ ○ ● ○ ○ ○

## GFP SERIES?

**GFP = Growth Factors + Peptides**

It means the best formulated growth factors and biomimetic peptides necessary for the skin. The product series composed of this formula is called the GFP series.

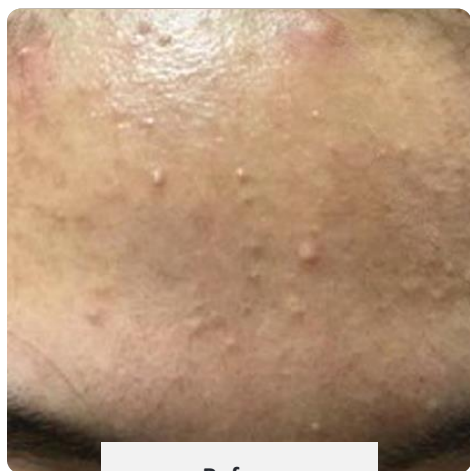
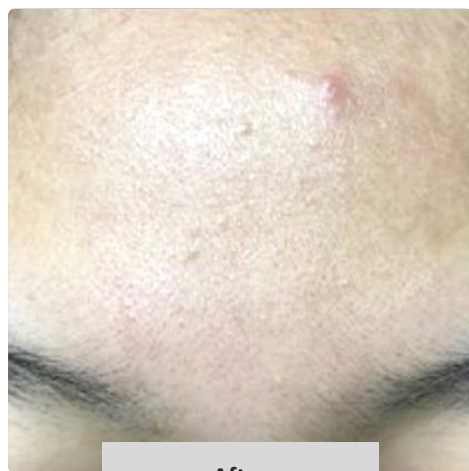


FILLOSHINE AC KIT PRO

# Before & After

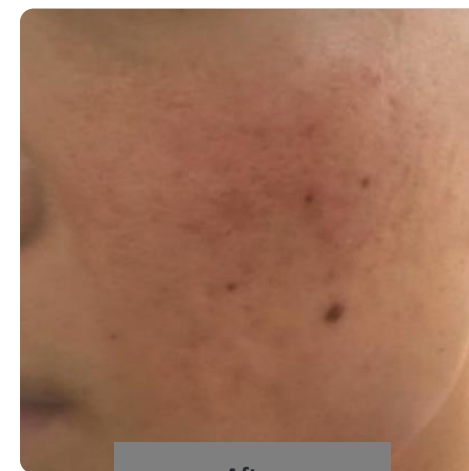
○ ○ ○ ○ ● ○

## Acne Before/After Use

**Before****After****After using 2 weeks**

Acne is obviously improved

## Acne Scar Before/After Use

**Before****After****After using 2 weeks**

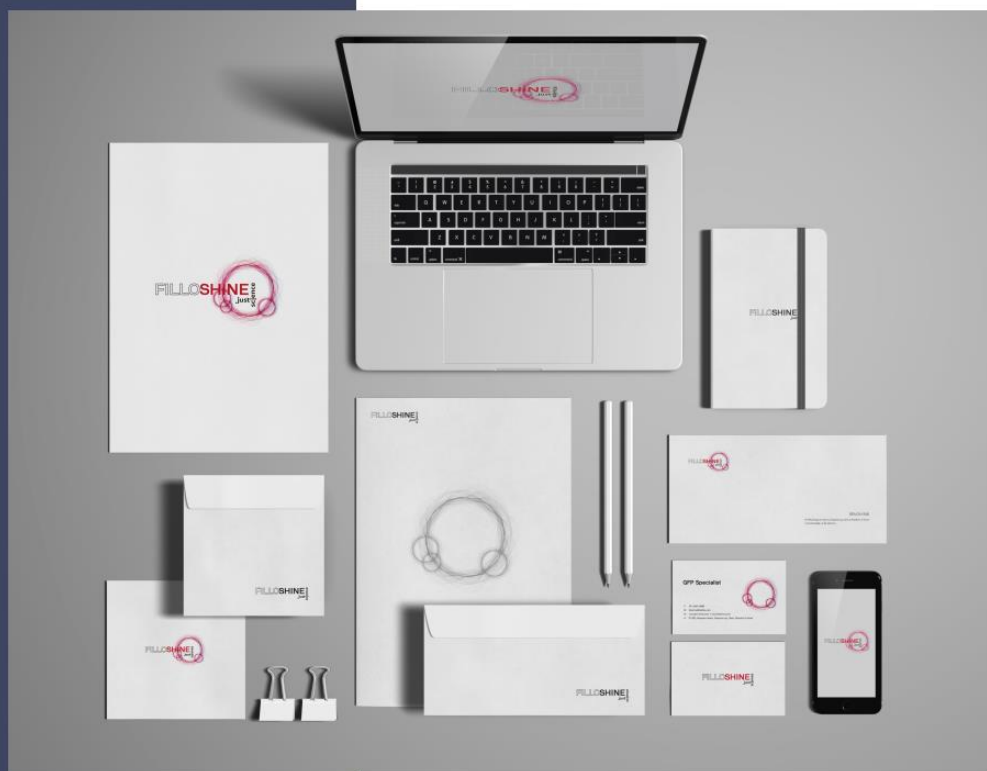
Acne scar is obviously improved

FILLOSHINE AC KIT PRO / GFP AC 10.5

# Filloshine Product Authentication Guide

○ ○ ○ ○ ○ ●

WELCOME TO JOIN US  
'FILLOSHINE'



## Thank you for choosing Filloshine

FILLOSHINE is a brand which is always pursuing innovation that breaks the status quo and delivers beauty through continuous anti-aging research and plant cells development. We strive to enhance the values of life standard through beauty. Our mission is to ensure the complete satisfaction of our clients and promote maximum efficiency by manufacturing high performance cosmetics. We aim to be recognized by constantly attaining an equilibrium between beauty and well-being. We hereby certify that your fine quality products have been purchased from a legitimate source and guaranteed by scanning the authentication QR code. Kindly write down the Certificate No. on this card and present the card to our dealers upon request.



ANDROID APP ON  
Google play  
Available on the iPhone  
App Store

Download the  
Authentication App

**Option1.** Scan the QR code available on the box

**Option2.** Install "HiddenTag" from App Store / Google Play Store



User guide Step 1

Scratch to uncover the label above the QR code



User guide step2

Launch the App and get it verified within 3 seconds

**THANK YOU**