



FILLOSHINE GFP AC 10.5

GFP SERIES



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TO INSPIRE SKIN CONFIDENCE

FILLOSHINE

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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

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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.

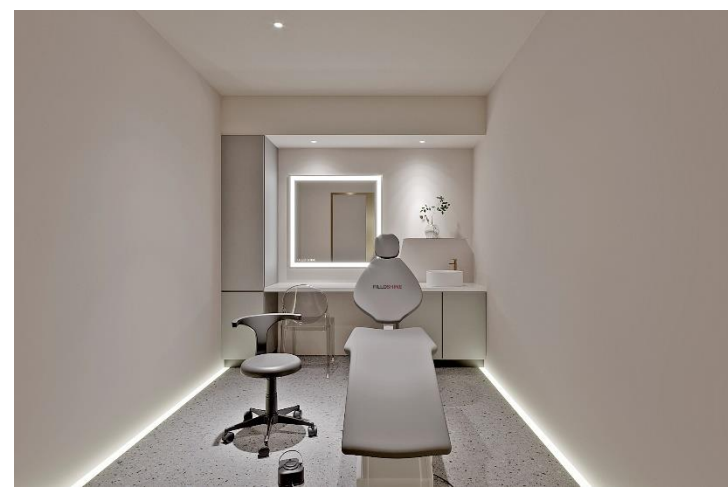
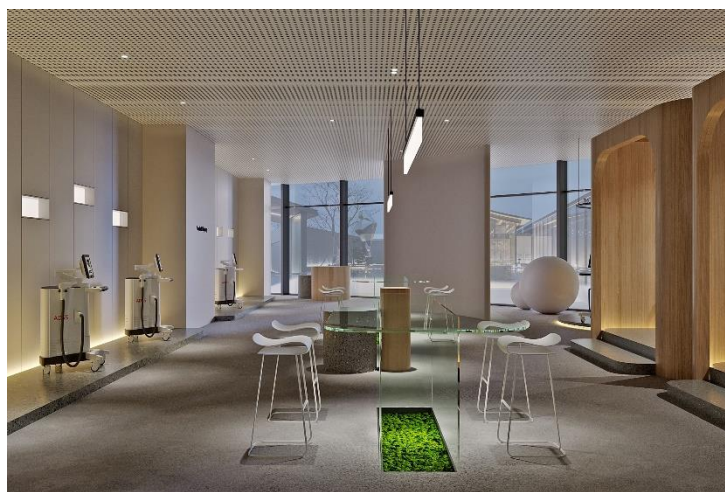
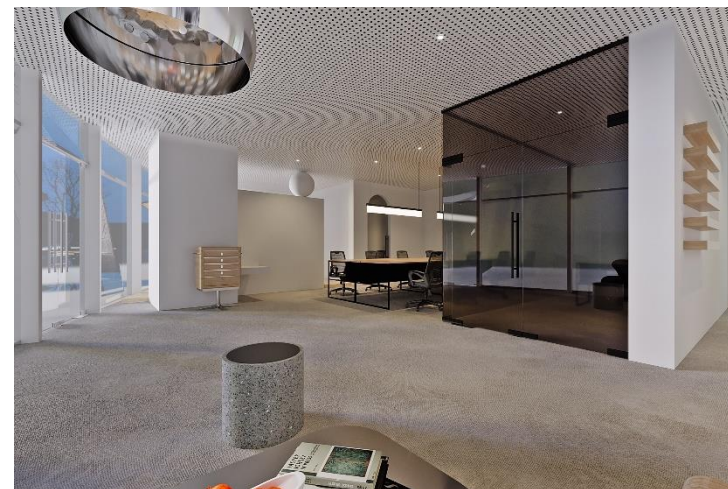
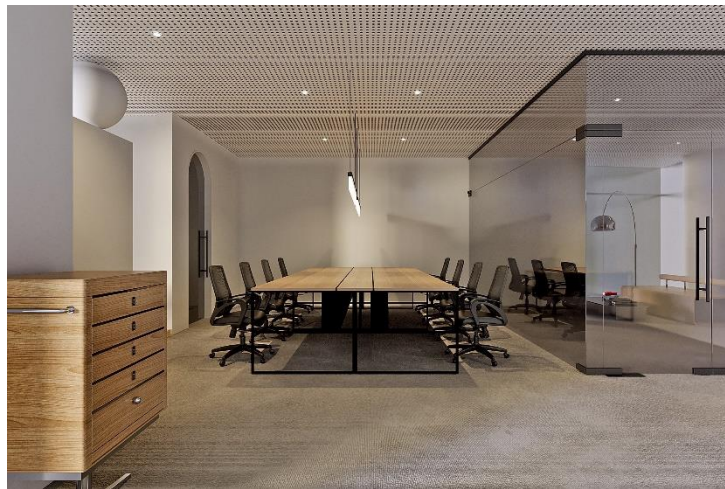


TO INSPIRE SKIN CONFIDENCE

FILLOSHINE

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BIO-SHINE
Company Introduction



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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

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To Inspire Skin Confidence

Brand Overview

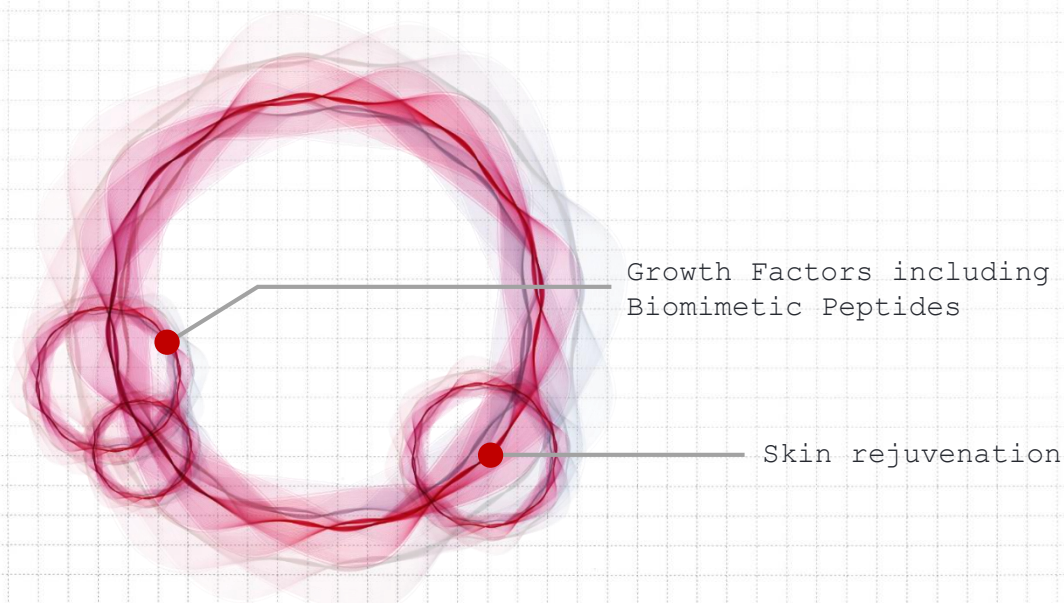
The Bioactive Growth Factors & Biomimetic Peptides for
Cosmetics and Cosmeceuticals

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



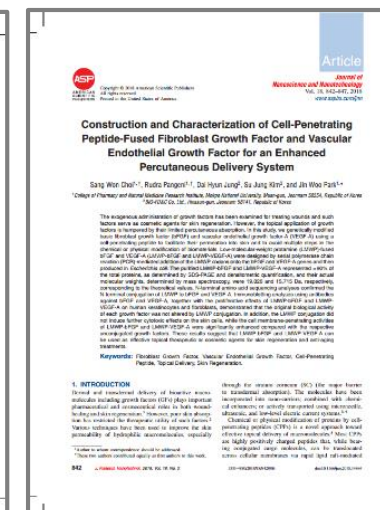
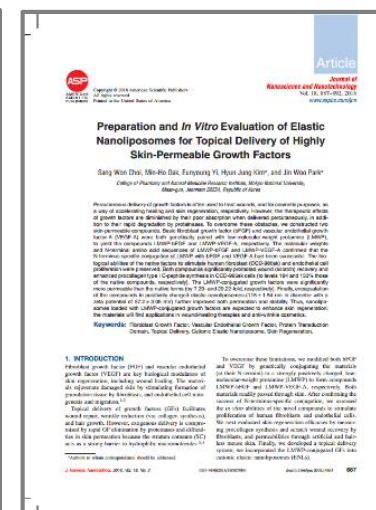
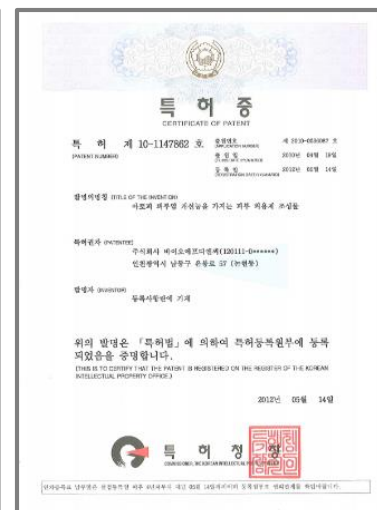
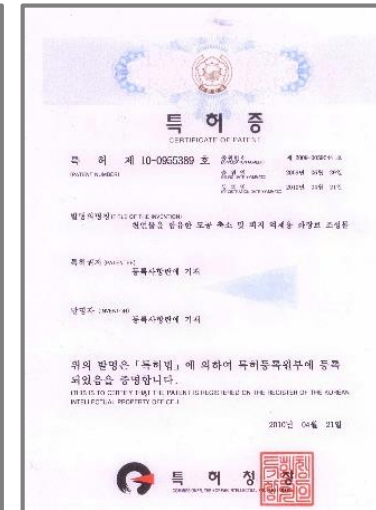
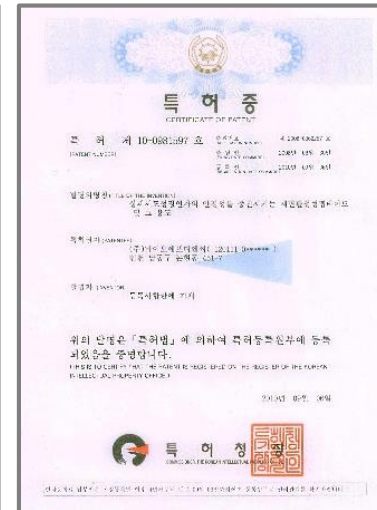
FILLOSHINE MANUFACTURER

Patents & New Technologies

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Since 2005, Filloshine - the professional manufacturing plant specializing in the R&D of cosmeceutical raw materials, has developed more than 50 biologically active recombinant proteins and growth factors, more than 50 bio-mimetic peptides, and more than 100 plant stem cells – the core material of cosmeceuticals. The research results have been patented.

At present, we own than 100 intellectual property rights of cosmetic raw materials in South Korea and 8 intellectual property rights in the world. Research results are published in the form of academic papers, and 105 academic papers have been published through self-research and development.

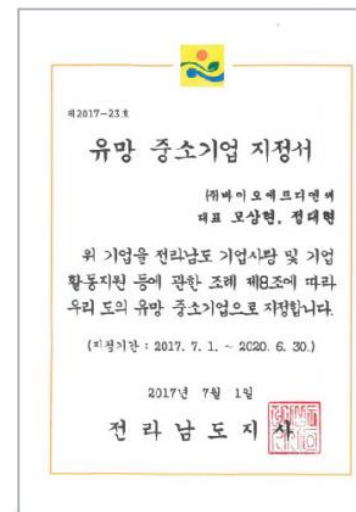
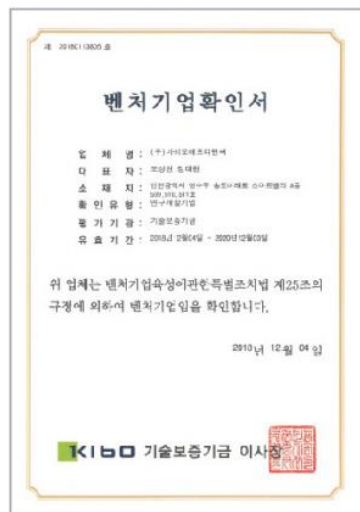


FILLOSHINE MANUFACTURER

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.



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FILLOSHINE GFP SERIES

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GFP SERIES?

GFP = Growth Factors + Peptides

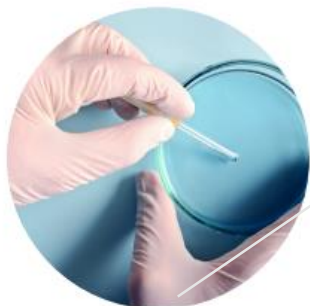
It means the best formulated growth factors and biomimetic peptides necessary for the skin. The product series composed of this formula is called the GFP series.



FILLOSHINE GFP SERIES

Main Ingredients of GFP series

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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



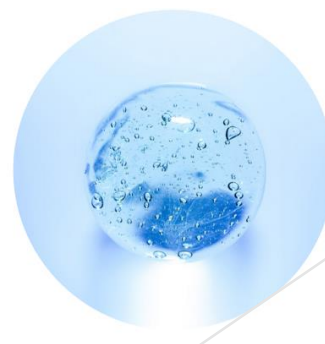
Peptides

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

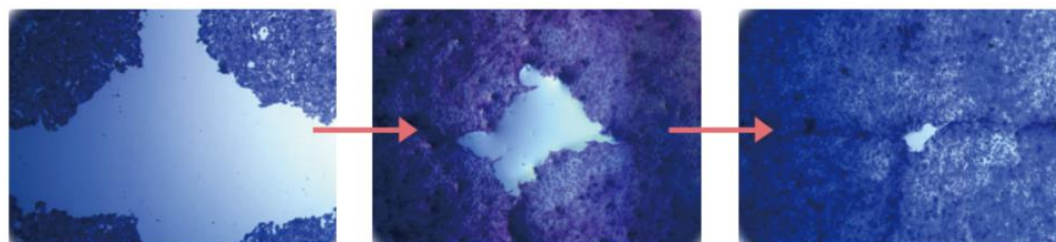
Hyaluronic acid exists between the collagen and elastic fiber tissue of the dermis. If hyaluronic acid is lacking, the empty space will sink. Hyaluronic acid can store moisture more than 1,000 times its own weight. As a natural moisturizer with the best moisturizing power, it provides sufficient moisture 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

Base Effects of GFP series

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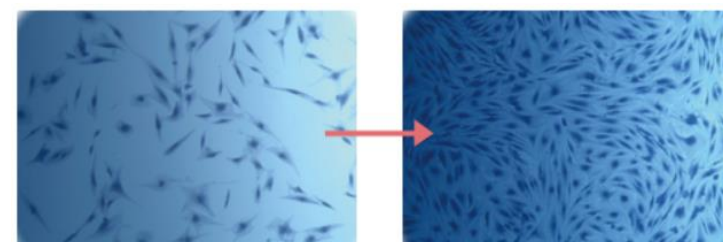
Recovery of damaged keratinocytes



Damaged skin cell

Treated main ingredients
(After 12hrs)Treated main ingredients
(After 24hrs)

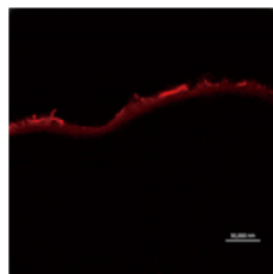
Proliferation of fibroblasts



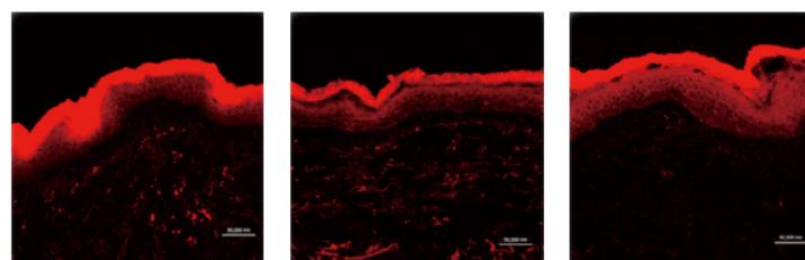
Intreated

Treated main ingredients
(After 24hrs)

IntoCell- growth factor's skin permeability of human skin tissue



Native



Permeated not only the epidermis but also the dermis layer

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IMPROVEMENT OF ACNE SKIN

FILLOSHINE GFP AC 10.5

**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.

Causes of acne-prone skin

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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.

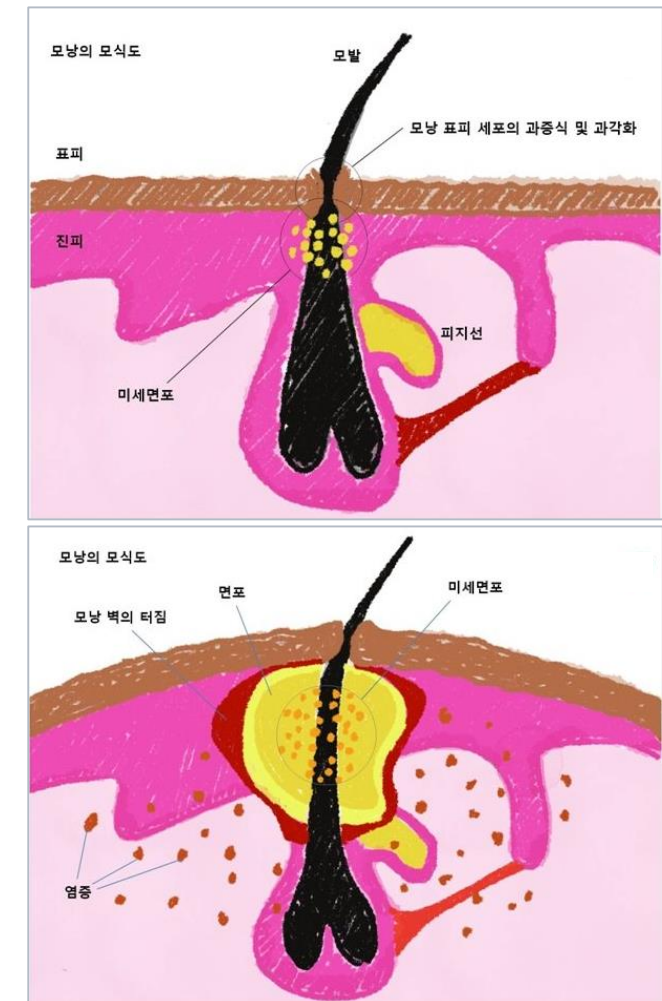
Third, excessive sebum production

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

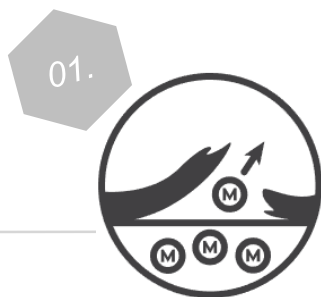
Excessive proliferation and keratinization of hair follicle epidermal cells, acne bacillus, excessive sebum and other factors increase acne size gradually. These eventually become large enough to break the hair follicle wall. Keratin, sebum, and propionibacterium acne coming out of the cracked hair follicle 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.



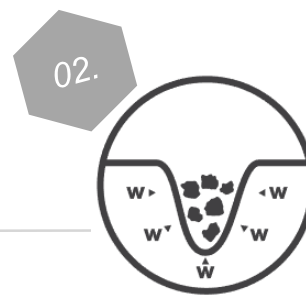
Three causes of acne

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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.



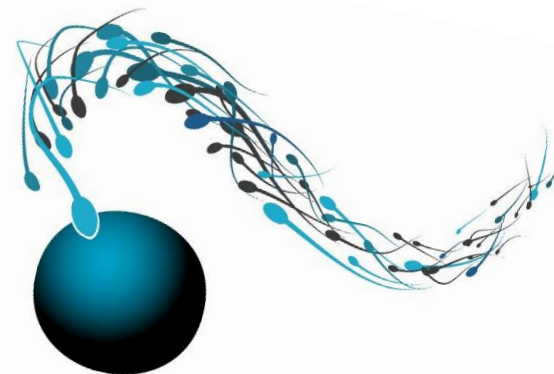
Ultraviolet rays

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 GFP AC 10.5

Core Technology & Mechanism Intocell- Growth Factors

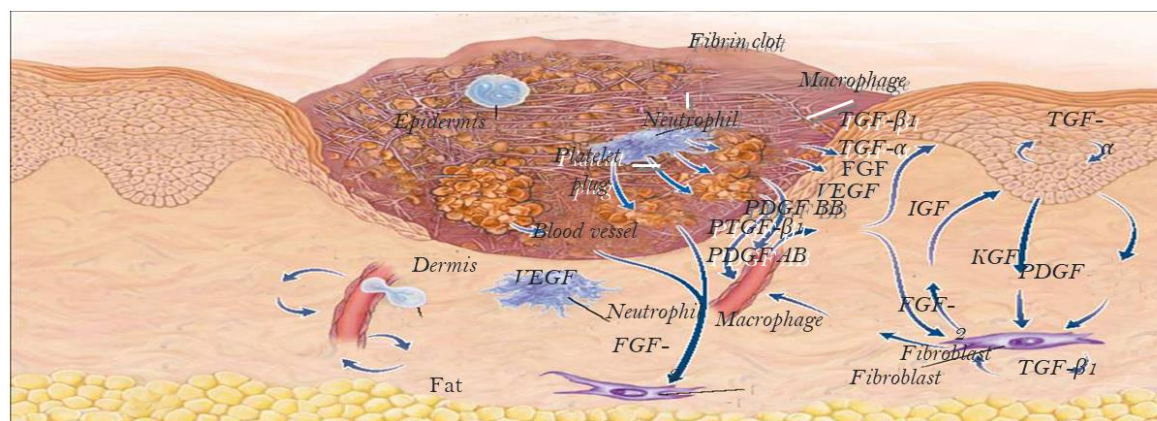
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When there's a wound on the skin, TGF- β 1, FGF, IGF, KGF and other proteins are secreted around it to quickly restore the wound. The similarity of the secreted proteins is that they all carry the growth factor (abbreviation GF). The growth factor (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 GFP AC 10.5

Target Ingredient & Effects

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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.

Strengthen skin tension , regulate regeneration cycle **IntoCell PLUS-EGF**

It is an epidermal growth factor that promotes the proliferation of epithelial cells to maintain a healthy skin regeneration cycle. It also strengthens skin tension, thereby restoring skin health, improving skin texture and complexion.

Improve acne, allergic dermatitis **Hairen**

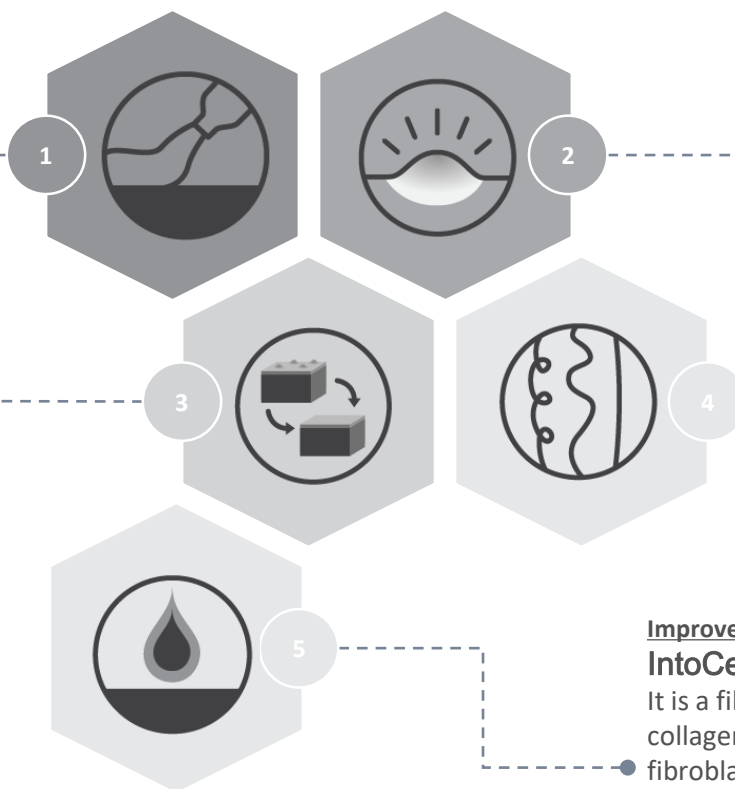
Fundamentally targeting a wide range of antibacterial activities such as acne and allergic dermatitis, it can improve acne, acnes and allergic dermatitis.

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.

Improve inner and outer layers of damaged skin **IntoCell-aFGF**

It is a fibroblast growth factor that helps the synthesis of collagen and elastic fibers by promoting the growth of fibroblasts. It improves the inner and outer layers of damaged skin, skin tone, wrinkles, and sensitive skin problems.



FILLOSHINE GFP AC 10.5

Target Ingredient & Effects

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Heal the wound and protect the skin

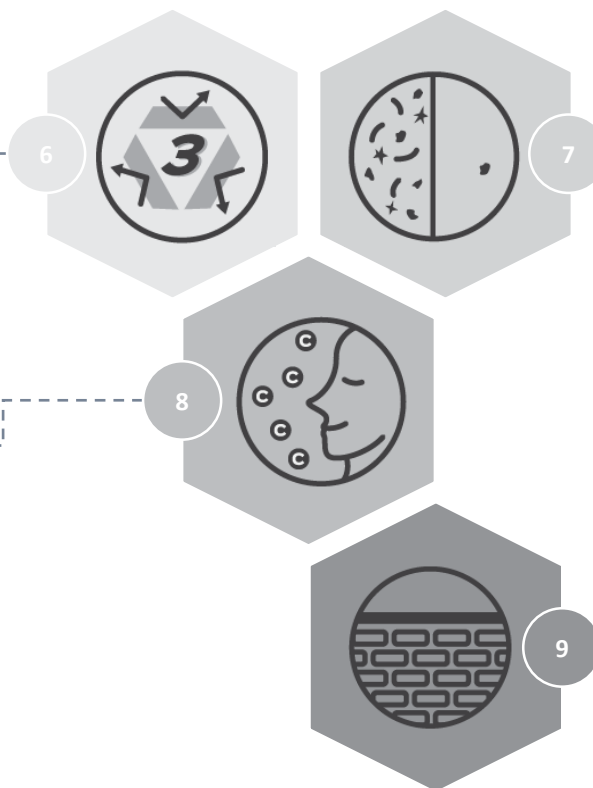
TNF- α

It is a cell growth factor that acts on the immune system, has the function of regulating inflammation and immunity, and protects the human body. At the same time, it promotes production of keratinocytes and extracellular matrix (ECM) to restore the health of damaged skin.

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.



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. By stimulating the synthesis of keratinocytes, fibroblasts and collagen, it participates in skin regeneration and improves the inner and outer layers of damaged skin. And by stimulating the differentiation and proliferation of T-cells, it destroys virus-infected cells and improves skin immunity.

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.

FILLOSHINE GFP AC 10.5

Product Effects

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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

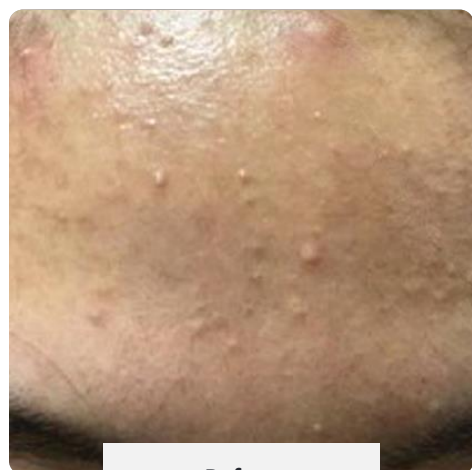
Maintain healthy skin

- 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

FILLOSHINE GFP AC 10.5

Before & After

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Acne Before/After Use**Before****After**

After using 2 weeks
Acne is obviously improved

Acne Scar Before/After Use**Before****After**

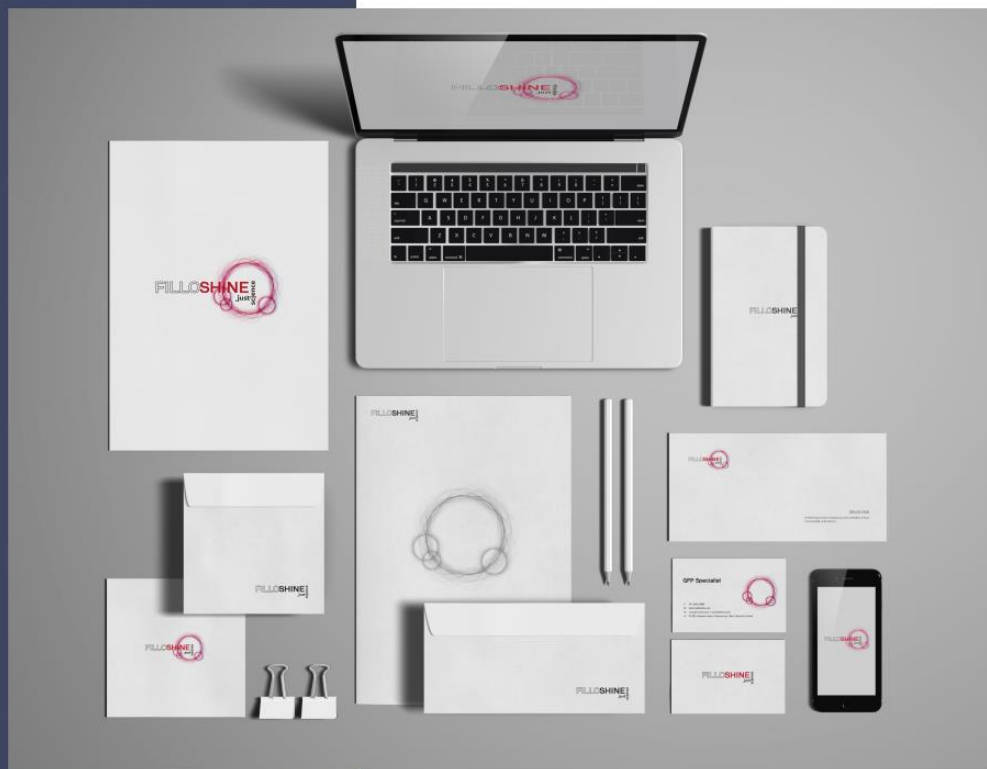
After using 2 weeks
Acne scar is obviously improved

FILLOSHINE 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