



FILLOSHINE GFP 21.0/10.5

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 BIFDNC'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 BIOUSHINE's partners for many years to come.

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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.

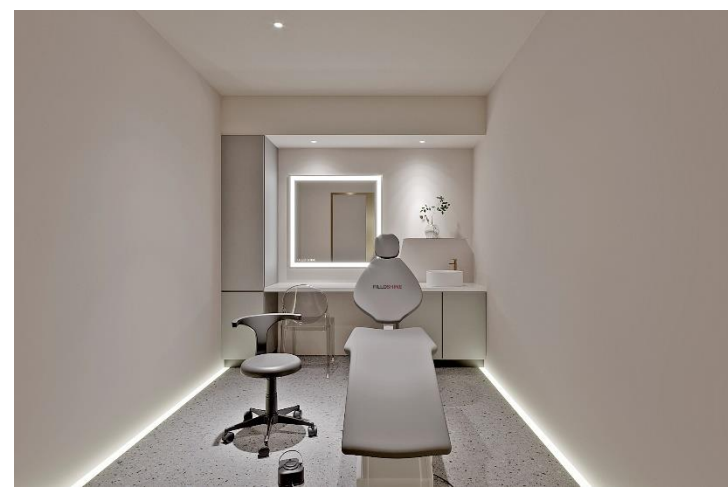
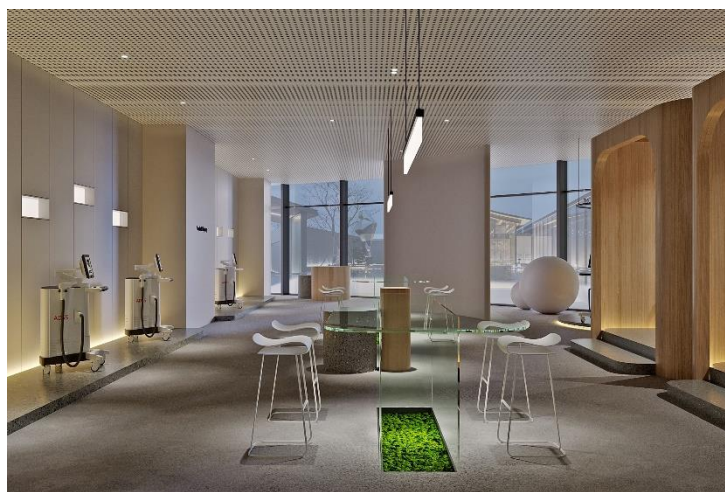
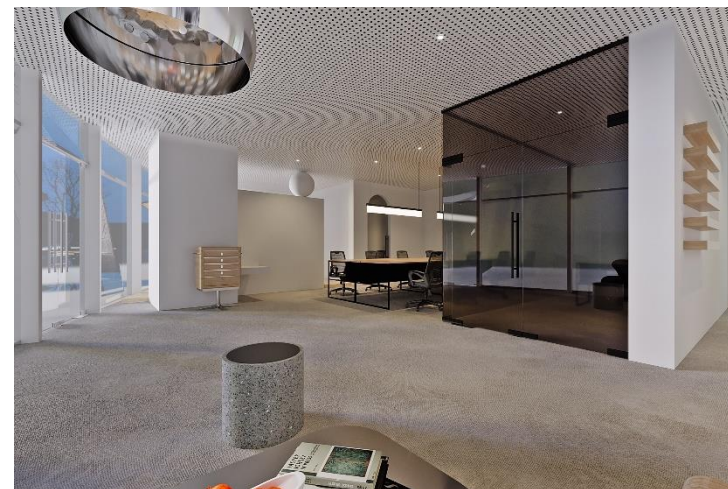
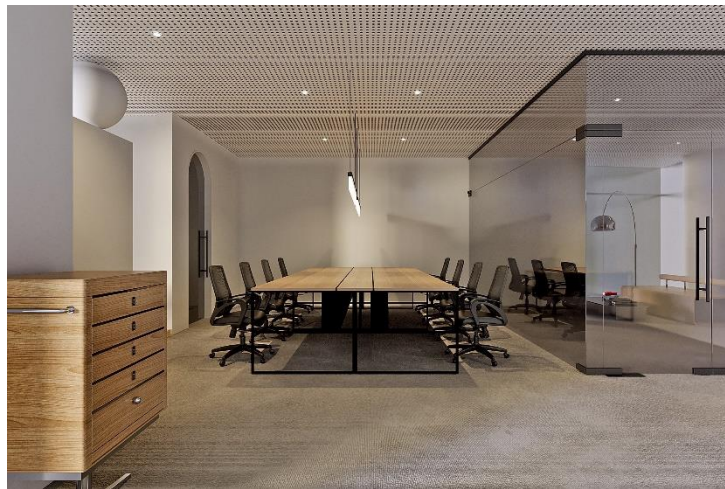


TO INSPIRE SKIN CONFIDENCE

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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

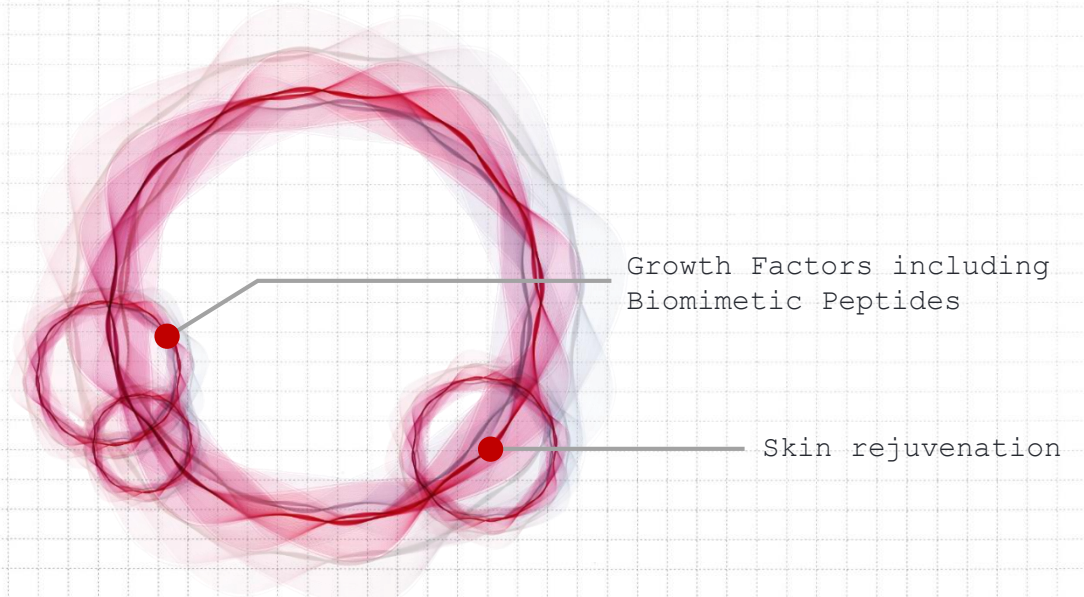
The Bioactive Growth Factors & Biomimetic Peptides for
Cosmetics and Cosmeceuticals

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



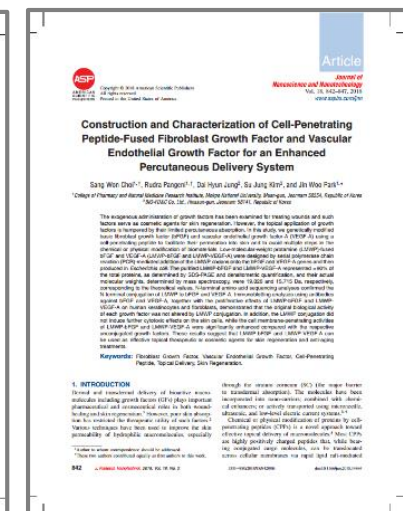
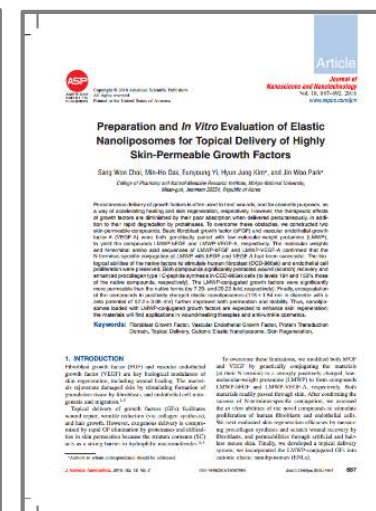
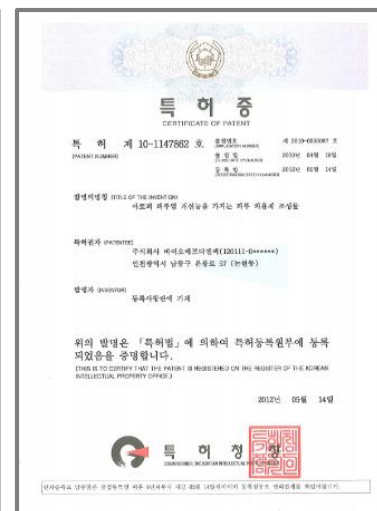
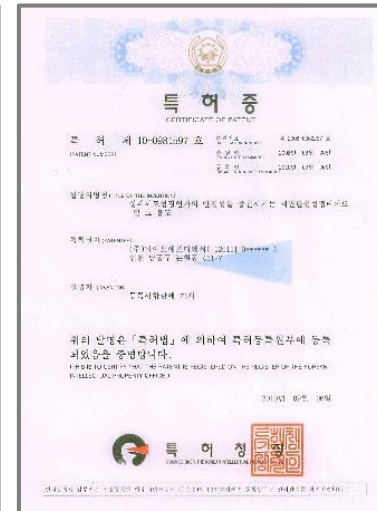
FILLOSHINE MANUFACTURER

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.



Certification

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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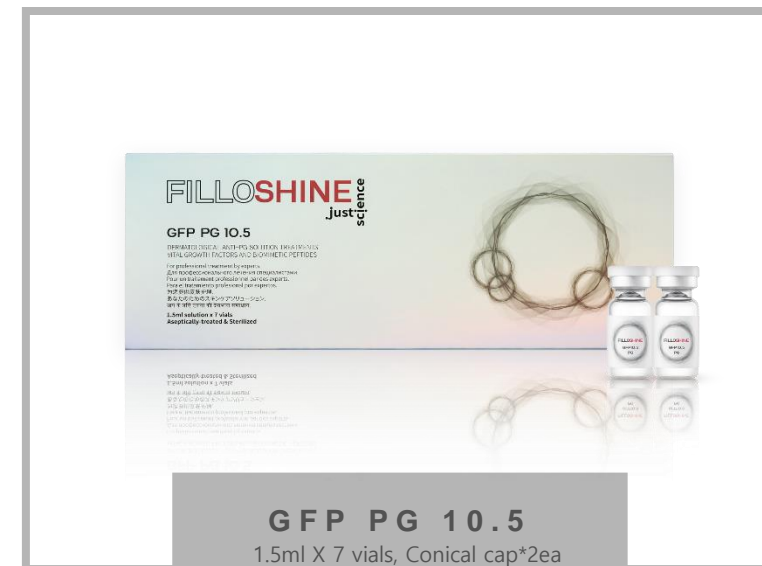
FILLOSHINE GFP SERIES



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.



IMPROVEMENT OF AGING SKIN

FILLOSHINE GFP 21.0



Peptides and growth factors

Regulate the physiological activity of the skin and help restore the normal metabolic cycle

Phyto-NEP

Anti-itch and anti-inflammatory effect, help to improve inflammation of aging skin

Amino acids/vitamins/minerals

Restore healthy skin condition

Hyaluronic acid

Build the healthy and smooth skin



The cells in our body maintain an optimal cycle by continuing to grow, divide, and degenerate. However, growth factors that regulate cellular differentiation, regeneration, healing and other physiological phenomena have increased from one year after birth to the highest value in their 10s, and they have decreased dramatically at the age of 25 to affect the regeneration system. The skin that has begun to age has a low function of producing necessary growth factors, collagen, and elastic fibers. To prevent skin aging and maintain an effective period of beautiful skin for a long time, FILLOSHINE GFP 21.0 is developed by prescribing only the necessary ingredients for the skin.

The FILLOSHINE GFP 21.0 product contains growth factors that help normalize the metabolic cycle, regulate skin function, and promote healthy cell growth, thereby achieving growth factors to prevent aging and also peptide components that help skin regeneration and strengthen the skin barrier. In addition, the phyto-NEP ingredient helps to improve the inflammation of aging skin and restore the skin condition. Amino acid/vitamin/mineral ingredients help to provide nutrients and the best growth environment for cells. Finally, hyaluronic acid, a natural moisturizing ingredient, helps the skin replenish moisture, gives moisturizing experience, and makes the skin moist & healthy.

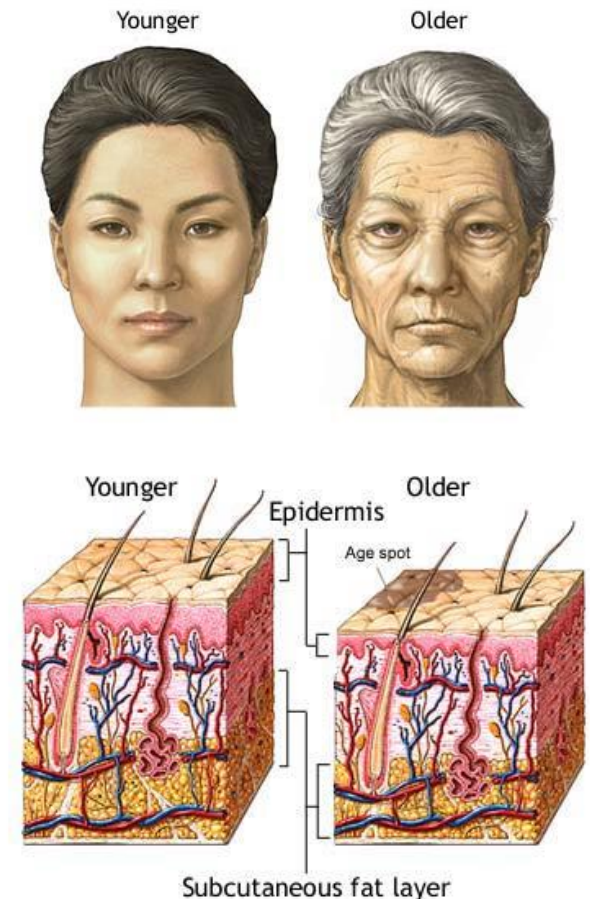
Causes of aging skin



Skin aging not only continues with time pass, but also with the skin's internal factor of low self-function and direct & indirect influences from external factors including ultraviolet rays, harmful environment, etc., also exert direct or indirect effects. With these influences, the necessary factors for the skin such as growth factors - peptides, collagen, and elastic fibers are reduced and the production is low. This results in dry skin, lack of skin elasticity, low resilience, dark spots, wrinkles, and thinner skin.

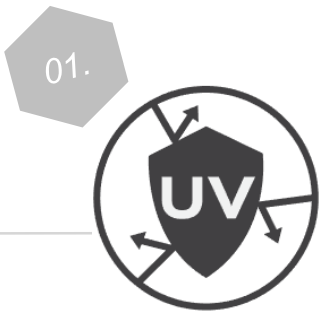
The root cause of skin tissue aging is the low biological function of skin cells. Each cell continues to grow, differentiate and degenerate to maintain an optimal cycle. However, the basic intercellular communication system that occurs in the cell unit cannot function normally, causing the delay or interruption of this process itself. This has a direct impact on the body's skin and cell regeneration process.

Correspondingly, there will be energy imbalances caused by low cell metabolism, cumulative damage to nucleus components, delays in cell differentiation processes and structural changes, and chain phenomena of aging that occur in cell units.



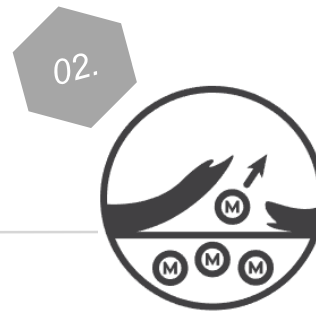
Three reasons for skin aging

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Photoaging_UV

Extensive ultraviolet rays in daily life are the main cause of gradual changes in skin tissues, which reduce the skin's defense ability and cause skin photoaging. UVA penetrates into the dermis, causing damage to core fibers closely related to skin elasticity and density, such as collagen and elastic fibers. UVB weakens the bonds between epidermal keratinocytes and abnormally affects the keratinization cycle, leading to aging symptoms such as skin dryness, low skin elasticity, and obvious wrinkles.



Skin Barrier Damage

As aging progresses, the natural moisturizing factors that compose keratinocytes decrease. The aquaporin system in the epidermis does not operate. The decrease in glycerol content affects the firmness of the stratum corneum and at the same time, the composition of lipid components between keratinocytes is low, leading to weakened intercellular cross-combination. Eventually, skin moisture and lipid content are reduced, resulting in a reduction in the binding force between keratinocytes and the secretion of antibacterial peptide substances, and thus the recovery of skin barrier function is delayed.



Low cell function

As aging progresses, not only does the cell's own function decline in the most basic units, but also the metabolism between cells is not smooth, leading to a variety of chain reactions and gradually worsening the skin condition. Decreased intercellular communication between cells affects the process of cell proliferation, resulting in low cell turnover, reduced skin density and thickness, and deterioration of self-protection and resilience ability.

FILLOSHINE GFP 21.0

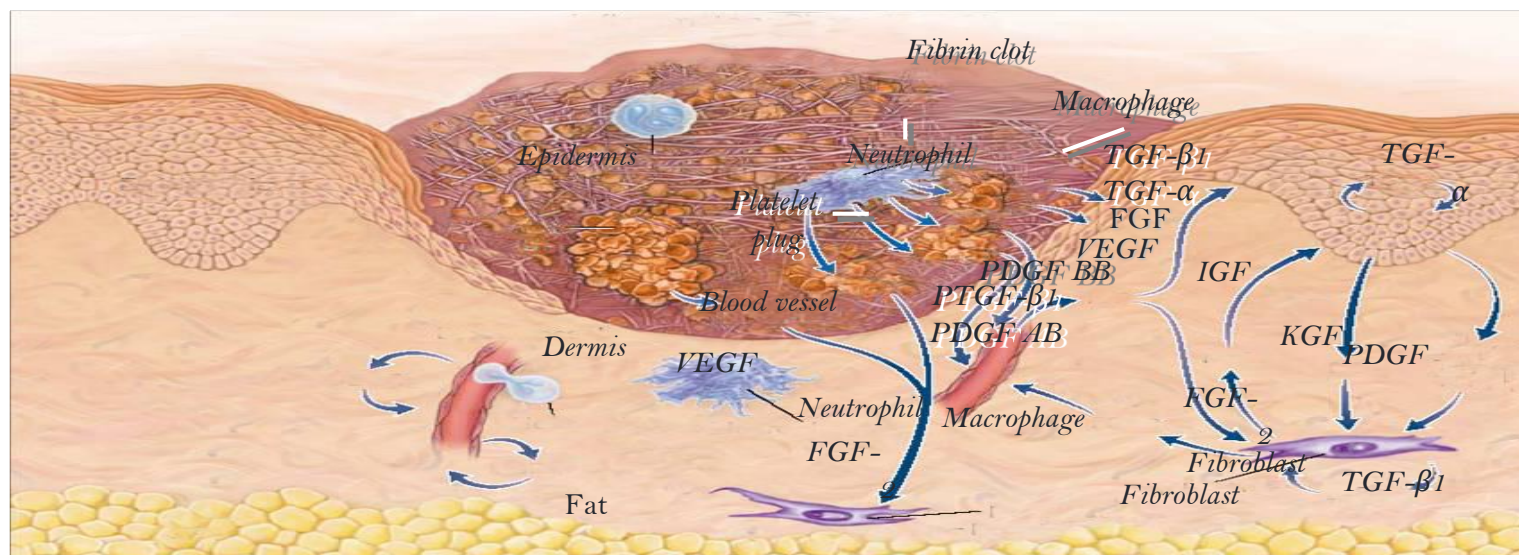
Growth Factor With Mechanism

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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.



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

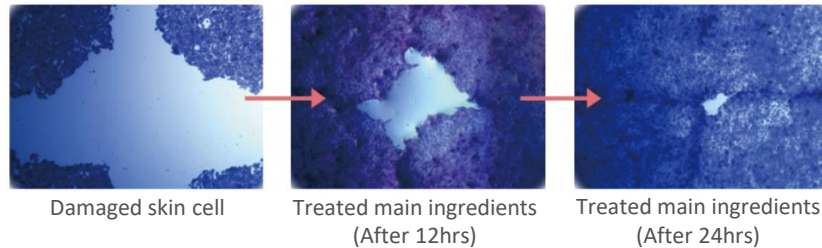
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Core Technology & Mechanism

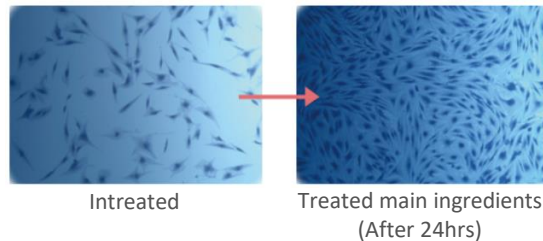
IntoCell- Growth Factors

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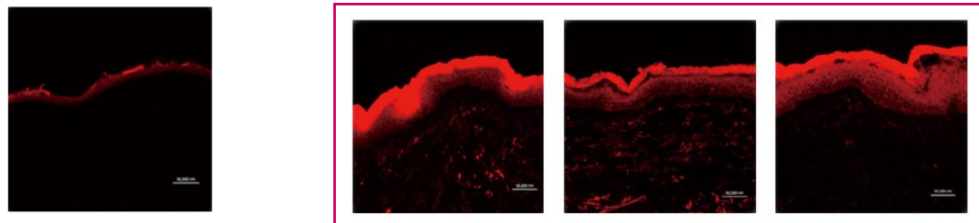
Recovery of damaged keratinocytes



Proliferation of fibroblasts



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

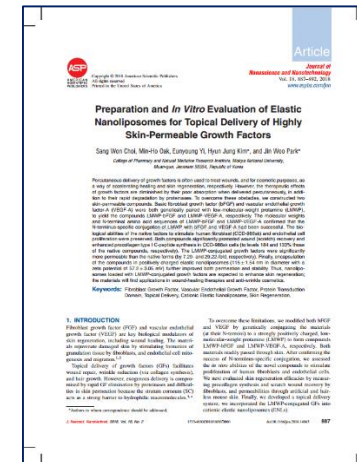
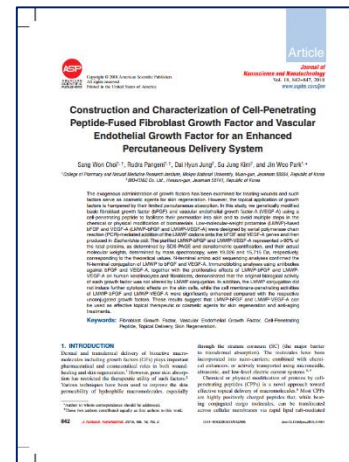


Native

Skin permeability of IntoCell-Growth Factors
(Permeated not only the epidermis but also the dermis layer)

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.



Published academic papers on growth factors

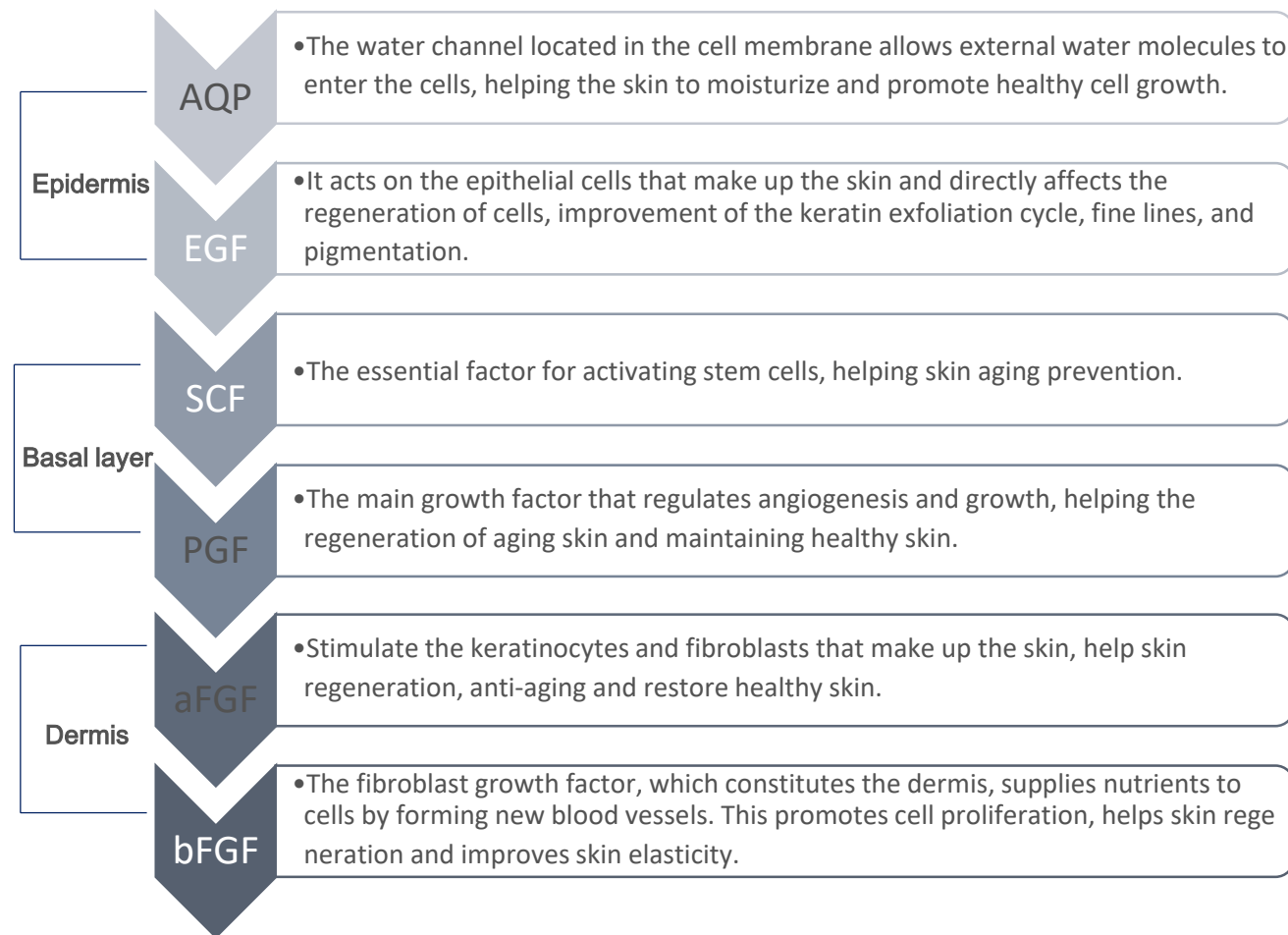
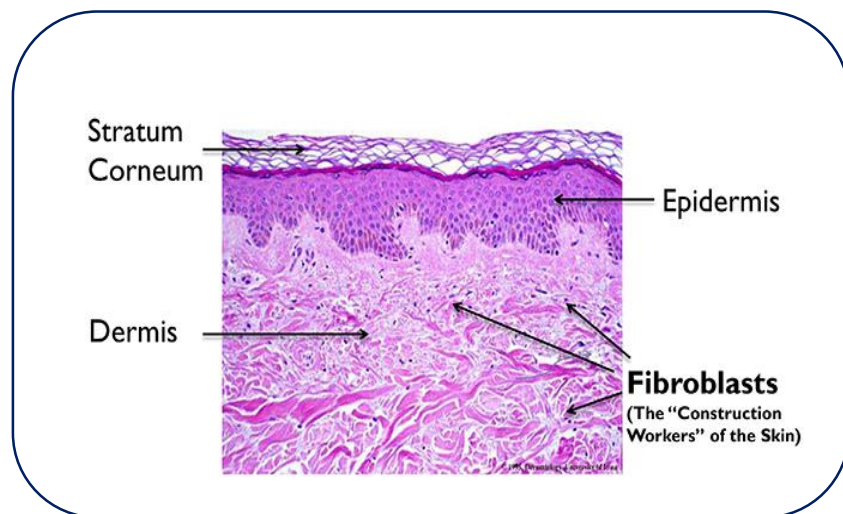
Patent No.10-1813560

Skin physiological activity through cell growth factors
External agent composition

FILLOSHINE GFP 21.0

Main Ingredient ¹ Growth Factors

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FILLOSHINE GFP 21.0

Main Ingredient 2

Peptides

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Peptides are formed by linking two or more amino acids in sequence to form a chain-like chemical bond, and perform multiple functions in the body in the form of hormones, enzymes, and antibodies. Peptides are compounds between amino acids and proteins, and their molecular sizes increase in the order of amino acids, peptides, and proteins. A peptide is a complex composed of about 2-50 amino acids, and a complex composed of more than 50 amino acids is called a protein.

As aging progresses, proteins in the body will become smaller units of peptides. To prevent aging and preserve cell DNA, it is necessary to supply protein components. The peptides used in cosmetics are biomimetic peptides that do not exist in the human body, and are small molecular peptides composed of about 3-10 amino acids. As a new generation of bioactive substances with high mobility and safety, biomimetic peptides can easily penetrate into the skin to promote the synthesis of collagen and elastic fibers, while removing damaged collagen and elastic fibers, helping to inhibit scar formation and promote skin regeneration and strengthen the skin barrier.



Amino Acids



Peptides



Structure of proteins

FILLOSHINE GFP 21.0

Main Ingredient 3

Phyto-NEP

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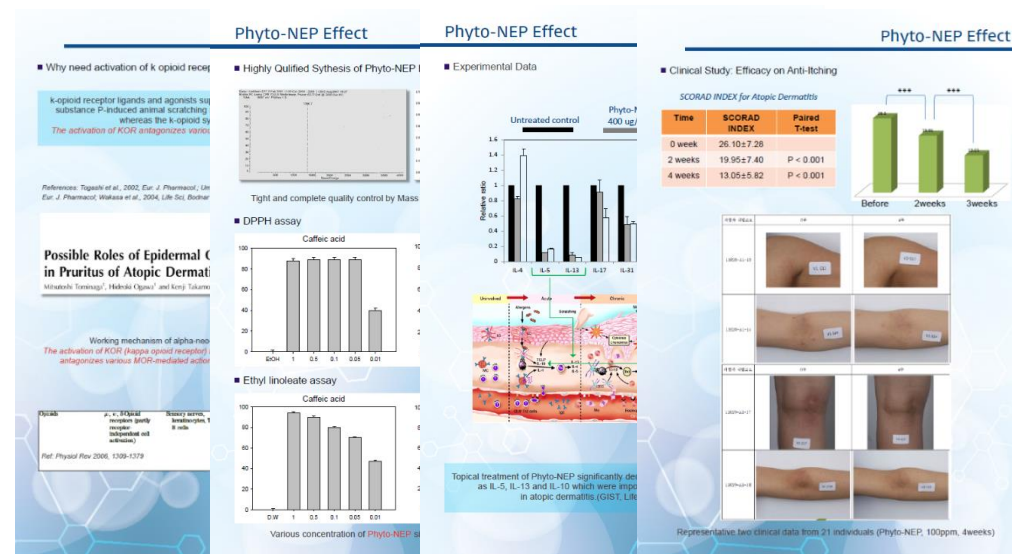


Patent No. 10-1405558

Used as Phyto-NEP peptide inducer,
anti-itch and anti-allergic dermatitis material.

A new material that activates receptors that can relieve itching on human nerves which is fused with phytochemical caffeic acid and has powerful antioxidant and anti-inflammatory effects. It's a peptide that helps to improve allergic dermatitis.

Based on its high stability and biocompatibility, it has excellent itching relief and anti-inflammatory effects and helps to improve inflammation of aging skin.



Common main Ingredients



Plant stem cells

Plant callus (Callus) is also called plant stem cell. When there's a wound in a plant, the cell divides vigorously around the wound. Due to the vigorous division of callus, it contains high concentration of effective physiologically active substances with effects of anti-inflammation, anti-oxidation, anti-wrinkle, and whitening. Plant callus cells with the same physiological characteristics as plant stem cells, containing a variety of end-differentiated plants and phytochemicals effective on human skin, are widely used as core materials for cosmeceuticals and biological cosmetics.



PDRN



PDRN is a new concept tissue regeneration material, which is extracted and processed from salmon semen. It has excellent skin regeneration and relieving inflammation effects, helping to delay skin aging and give skin vitality.

Common main Ingredients



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 21.0

Product Effects

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01

Promote regeneration, improve elasticity

-Improve cell repair power and help promote skin regeneration

-Promote the synthesis of keratinocytes, fibroblasts and collagen, help improve skin elasticity and prevent aging

02

Prevent pigmentation and brighten skin tone

-Powerful antioxidants, eliminate skin pressure and inhibit melanin production

-Peptides and growth factors normalize the skin condition and provide a healthy complexion

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 21.0

Before & After

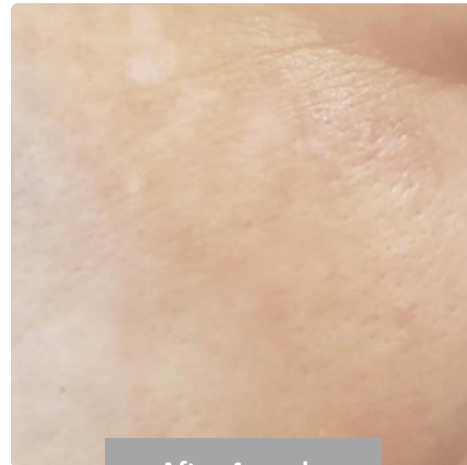
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Pigmentation & scars before/after use



Before

Uneven skin,
There are scars and pigmentation.



After 4 weeks

1 time/week, the result of 4
treatments: lighter scars, uneven
skin becomes smoother, and
pigmentation is improved

Scars and pores before/after use



Before

There are sunken
scars and large pores.



After

After 3 days of 1 MTS management
Depressed scars are improved and
pores are reduced.

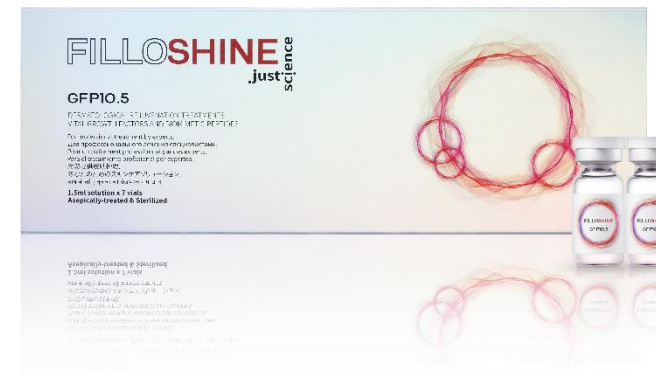
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GFP 21.0



GFP 10.5

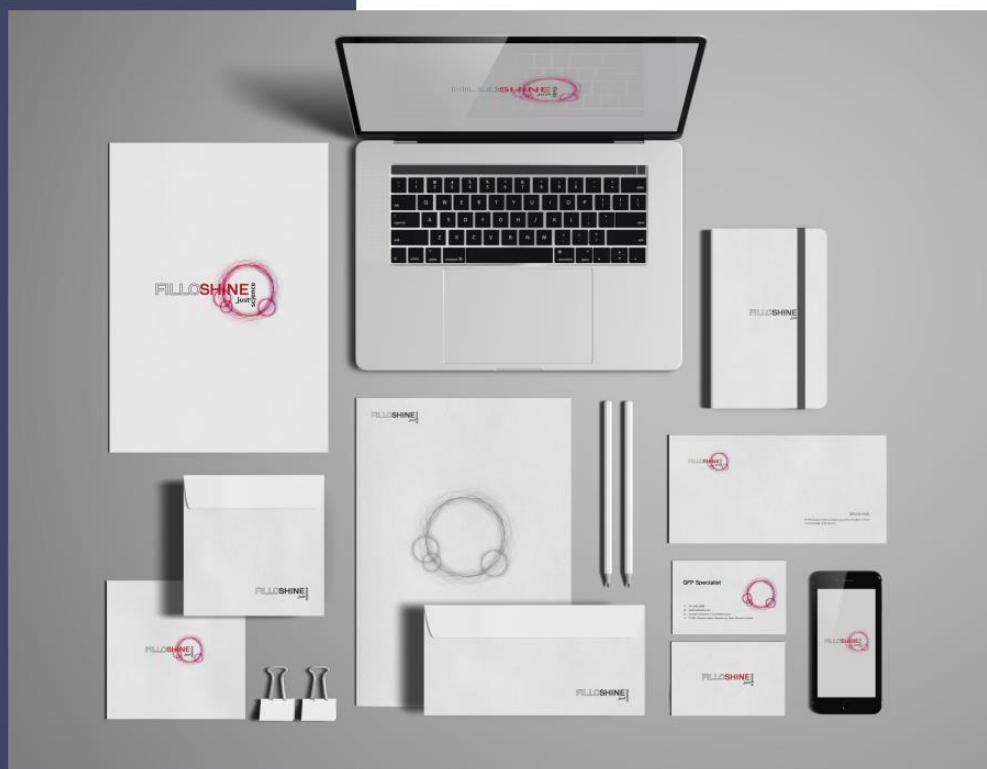


Same points	Effects	Promote regeneration, improve elasticity, prevent pigmentation, brighten skin tone, moisturize, maintain healthy skin	
Differences	Hyaluronic acid content	21.0 < 10.5 (Able to achieve excellent moisturizing effect by applying only)	
	Active ingredient content	21.0 > 10.5	
	21.0 exclusive ingredient	Plant callus/ PDRN/ Glutathione	
	capacity	21.0 Professional (3.5ml X 6 vials, Conical cap*2ea)	10.5 Homecare (1.5ml X 7 vials, Conical cap*2ea)

FILLOSHINE GFP 21.0/10.5

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