



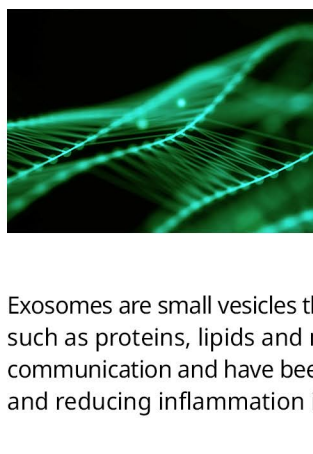
## HANHEAL Exosome Hair Filler is a restorative mesopreparation that helps patients with partial alopecia

Revitalize your hair with HANHEAL Exosome Hair Filler - a complete solution for scalp concerns like dandruff, sensitivity, and hair loss. Packed with nourishing nutrients, it promotes healthy, beautiful locks.

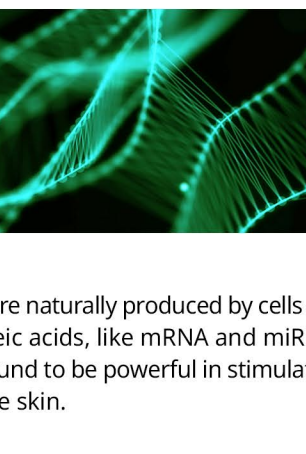
## EXPERIENCE THE POWER OF HANHEAL FOR VIBRANT HAIR!

HANHEAL Exosome Hair Filler, infused with regenerative Exosomes and Peptides, offers a powerful treatment for promoting hair growth. Supported by scientific studies, this unique blend influences key cellular processes crucial for hair follicle biology, creating an optimal environment for robust hair health.

### SCOPE



SCALP

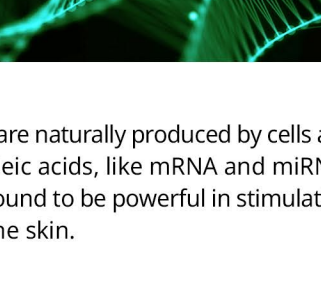


EYEBROWS



EYELASHES

### EFFECT



CUMULATIVE



## PLUS Exosomes Hyaluronic Acid



Copper Tripeptide-1

sh-Decapeptide-9

Biotinoyl Tripeptide-1

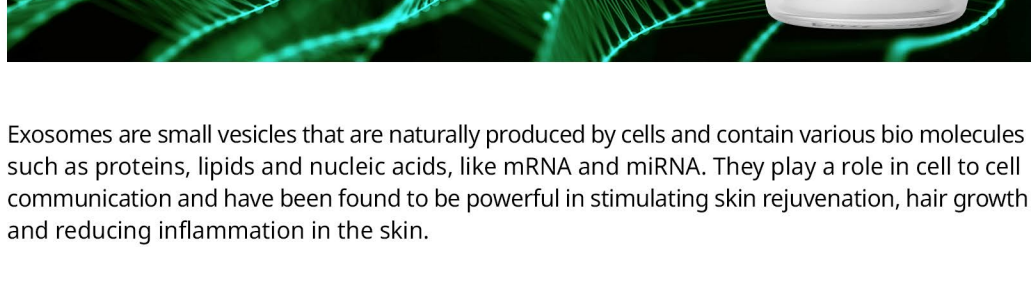
Nicotinoyl Tripeptide-1

Revitalizing

Strengthening

Nourishing

Energizing



sh-Oligopeptide-1

sh-Oligopeptide-2

sh-Polypeptide-8

sh-Polypeptide-62

sh-Polypeptide-59

Regenerating

Hydrating

Repairing

Anti-Aging

Restorative



sh-Polypeptide-3

sh-Polypeptide-1

sh-Polypeptide-9

sh-Polypeptide-22

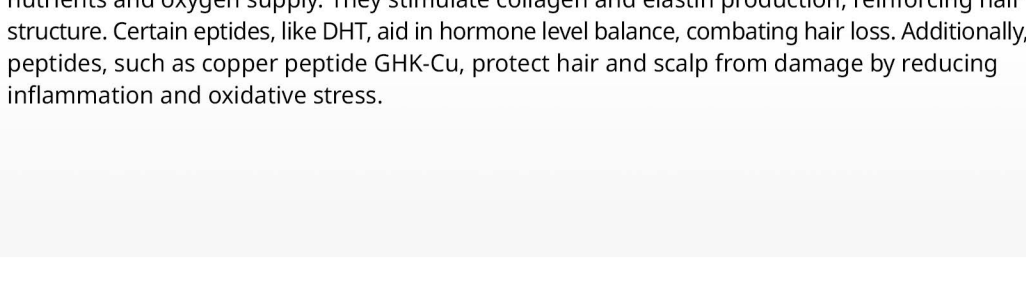
Rejuvenating

Fortifying

Moisturizing

Balancing

## What are EXOSOMES?



Exosomes are small vesicles that are naturally produced by cells and contain various bio molecules such as proteins, lipids and nucleic acids, like mRNA and miRNA. They play a role in cell to cell communication and have been found to be powerful in stimulating skin rejuvenation, hair growth and reducing inflammation in the skin.

## How Exosomes work for hair growth?

Exosomes play a multifaceted role in promoting hair health, including the promotion of hair follicle growth, stimulation of angiogenesis, regulation of the hair growth cycle, anti-inflammatory effects, and protection of hair follicle stem cells from damage, thereby fostering hair regrowth.

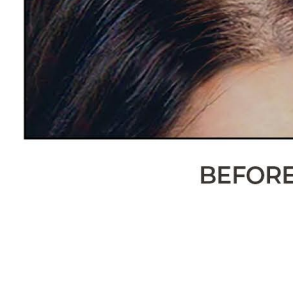
## What are PEPTIDES?



Peptides, vital for hair growth, are small Amino Acid chains - building blocks of proteins. With two to fifty amino acids linked by Peptide bonds, they are easily absorbed by the body, found in natural sources like plants, animals, and microorganisms.

## How Peptides work for hair growth?

Peptides facilitate hair growth by enhancing blood circulation to follicles, producing essential nutrients and oxygen supply. They stimulate collagen and elastin production, reinforcing hair structure. Certain peptides, like DHT, aid in hormone level balance, combating hair loss. Additionally, peptides, such as copper peptide GHK-Cu, protect hair and scalp from damage by reducing inflammation and oxidative stress.



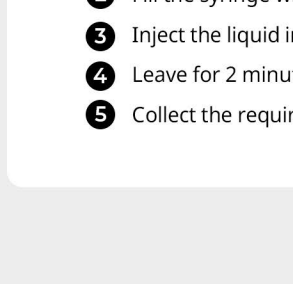
### Copper Tripeptide-1

During the hair growth phase, Copper Tripeptide-1 promotes the synthesis of extracellular matrix (ECM) components; increasing fiber bundle density in the dermal papilla. By interacting with cell fiber bundles, ion Cu in Copper Tripeptide-1 helps regulate the hair growth cycle, promoting growth and reducing hair loss.



### Biotinoyl Tripeptide-1

Biotin tripeptide, a protein derivative, reduces DHT production, the main cause of male pattern baldness. It stimulates hair growth, strengthens genes, and boosts the number of hair follicles in the active growth phase.



### PEPTIDE COMPLEX

#### sh-Polypeptide-1

Found in various tissues. It supports collagen synthesis, preventing skin aging, and aids in the rapid renewal of keratinocytes for overall skin health.

#### sh-Polypeptide-3

Stimulates keratin production, essential for hair, nails, and skin. Supports keratinocyte growth, aids in skin tissue separation, and collaborates with EGF, IGF, and a/bFGF to prevent skin aging and promote skin regeneration.

#### sh-Polypeptide-9

Derived from platelets, it promotes new blood vessel formation and stimulates the division of vascular endothelial cells. Valuable for countering aging, regenerating damaged skin, and promoting hair growth.

#### sh-Polypeptide-22

A growth factor that regulates cell division, differentiation, and physiological activity. It plays a crucial role in the regeneration and healing of wounds on the skin and tissues of the scalp.

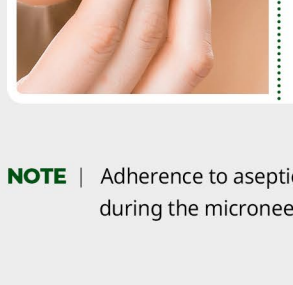
#### sh-Oligopeptide-2

The most potent antioxidant in all cells, effective for cell regeneration, anti-aging and hair growth.



### Sodium Hyaluronate

A natural skin hydrator with excellent moisture retention, promoting skin elasticity and volume, and preventing moisture loss for sensitive skin.



### EXOSOMES of multipotent cells induced by human dermal fibroblasts

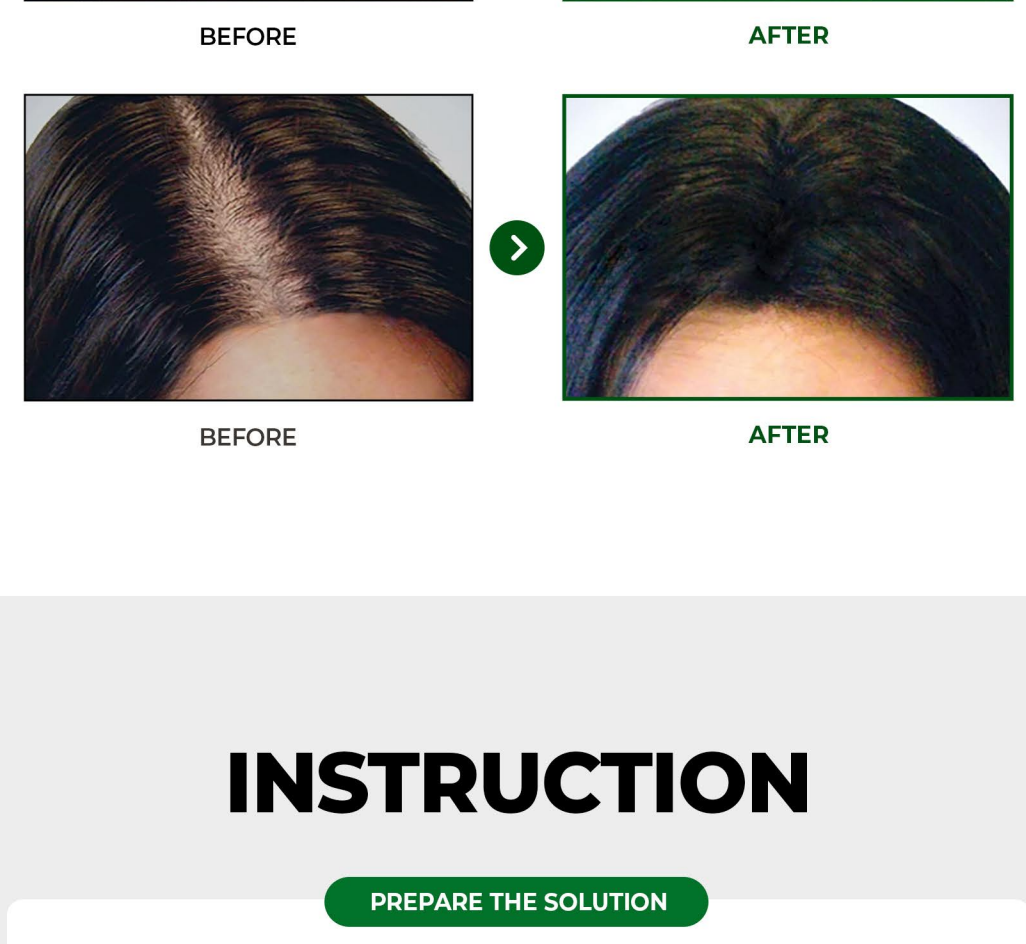
Exosomes, secreted by various cells, play a crucial role in cell regulation and intercellular communication. In dermatological research, exosomes from human umbilical cord mesenchymal stem cells demonstrate skin regeneration and wound healing properties, enhancing skin elasticity and hair follicle growth on the scalp.

## HANHEAL Hair Safety&Excellent Results

As a leading company in the field of aesthetic products, we have partnered with prominent cosmetic manufacturers in Korea. Our focus on research and development is supported by a well-equipped center, facilitating the successful formulation and rigorous screening of our products. We implement comprehensive measures to ensure a strict screening process, obtaining certifications for sterility, safety, and endotoxin testing for all our products.



## INDICATIONS for use



## INSTRUCTION

### PREPARE THE SOLUTION

- Remove the aluminum caps from both vials.
- Fill the syringe with 5.0 mL contents of the activator vial.
- Inject the liquid into the vial with the lyophilisate and carefully mix, avoiding shaking.
- Leave for 2 minutes for uniform dissolution of the powder.
- Collect the required amount of solution in a sterile syringe for the further procedure.

### WORK PROTOCOL



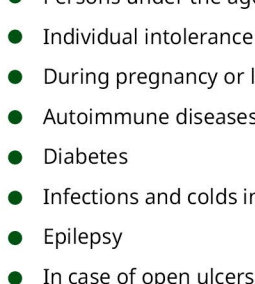
|                            |                                                 |
|----------------------------|-------------------------------------------------|
| Anesthesia                 | Local anesthetic cream                          |
| Techniques of Introduction | Nappage, Micropapular                           |
| Needle Type                | Needle (32-34G x 4 mm), Dermapen or Mesoscooter |
| Depth                      | 1-2 mm                                          |
| Angle of Inclination       | 35-45°                                          |
| Dose per Injection         | 0.005-0.01 mL                                   |
| Amount of Product          | 2.0-3.0 mL per procedure                        |

## STEP01 PREPARE SKIN FOR THE PROCEDURE



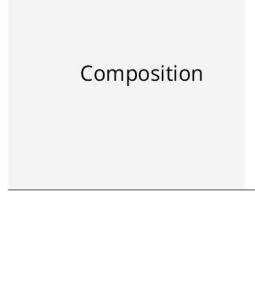
- Anesthetize the skin with anesthetic cream in preparation for treatment.
- Remove the anesthetic cream and clean with alcohol the injection area.

## STEP02 ADMINISTRATION



- Make injections superficial (2 mm deep) with a 4 mm needle.
- Injections should be given at a 45-degree angle from the skin while applying light, constant positive pressure on the plunger; the practitioner rapidly flicks the wrist.
- At each site, introduce a drop of the solution.

## STEP03 POST-INJECTION CARE



- After completing the procedure, use alcohol for skin cleansing.
  - Apply a small amount of alcohol solution on a sterile cotton pad.
  - Gently cleanse the treated area with the cotton pad, ensuring thorough coverage.
  - Pay special attention to areas where the microneedling was performed.

### Photo-aging protection

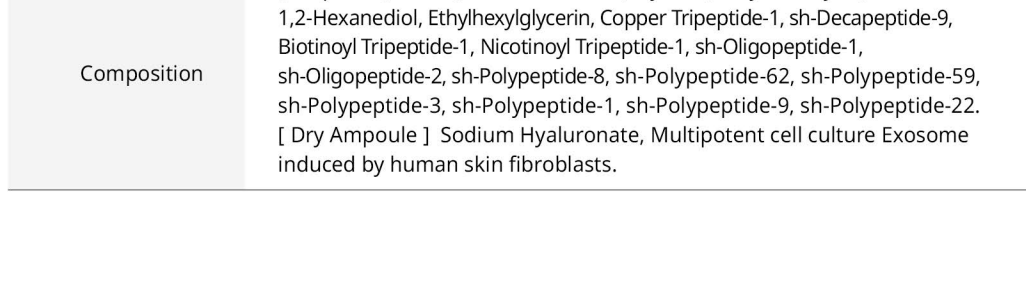
Use SPF 50 UVA and UVB protection to guard against hyperpigmentation, especially useful for damaged skin.

**NOTE** | Adherence to aseptic techniques, safety guidelines, and proper equipment sterilization are crucial during the microneedling procedure.

## Course of Procedures

3-7 procedures with an interval of 10-14 days.

Repeat the course after 6 months.



## Precautions

- Consult with a specialist if there are any abnormal symptoms or side effects such as erythema, edema, swelling, papules or itching when using product or after use on the area to be used by direct sunlight.
- If the lid is not open, store the product in the refrigerator for another month.
- Precautions for storage and handling.
  - A. Keep out of reach of children.
  - B. Store away from direct sunlight.

## Contraindications

- Persons under the age of 18
- Individual intolerance of the drug
- During pregnancy or lactation
- Autoimmune diseases
- Diabetes
- Infections and colds in the acute stage
- Epilepsy
- In case of open ulcers, wounds or damaged skin in the area where the injection is planned

## Specification

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product name    | HANHEAL Exosome Hair Filler                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Package         | Ampoule 5mL x 5vials, Dry Ampoule 100mg x 5vials                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Storage         | Store at room temperature(1-30°C) protected from direct sunlight and freezing.                                                                                                                                                                                                                                                                                                                                                                                            |
| Expiration date | 24 months from date of manufacture. Check the box for the expiration date.                                                                                                                                                                                                                                                                                                                                                                                                |
| Composition     | [ Ampoule ] Water, Sodium Chloride, Glycerin, Butylene Glycol, 1,2-Hexanediol, Ethylhexylglycerin, Copper Tripeptide-1, sh-Decapeptide-9, Biotinoyl Tripeptide-1, Nicotinoyl Tripeptide-1, sh-Oligopeptide-1, sh-Oligopeptide-2, sh-Polypeptide-8, sh-Polypeptide-62, sh-Polypeptide-59, sh-Polypeptide-3, sh-Polypeptide-1, sh-Polypeptide-9, sh-Polypeptide-22. [ Dry Ampoule ] Sodium Hyaluronate, Multipotent cell culture Exosome induced by human skin fibroblasts. |