KERATINOCYTE GROWTH FACTOR
THICKENING, STRENGTHENING, LENGTHENING & REPAIRING

GRECO MEDICAL GROUP
HAIR AND SCALP FORMULA
HOW IT WORKS

A growth factor is a naturally occurring substance capable of stimulating cellular growth, proliferation, healing, and cellular differentiation. The shape of the growth factor is of key importance. Its shape allows it to lock into a receptor on the surface of the cell and cause the cell to grow and divide.

Keratinocyte Growth Factor (KGF) is not only correct in structure but also in shape, ensuring that the growth factor to receptor connection at the follicle is true and the cell growth signals are received. Cell growth and division is required for the body to produce healthy hair. Scientific research has shown that the presence of KGF encourages the natural growth of new hair cells in follicles. Natural KGF production declines with age.

By supplementing naturally produced KGF we can boost production of new cells in aging or damaged areas.

AGELESS HAIR

KGF has been shown to be effective in boosting natural production of hair. New hair feels thicker, is stronger, and grows longer.

78% of participants in a 12-week trial reported positive changes in hair.

AGELESS BEARDS

Skin Actives initial trials were carried out on beards where the participants beards were shaved and weighed twice (as control, then with KGF). As theorized, older participants with thinning beards showed the most growth. In the 24-day trial 89% of participants showed increase in the weight of beard hair.
AGELESS BROWS & LASHES
KGF has been shown to be effective in encouraging natural growth of hair on the scalp, brows, lashes, and beards. Our trials have shown that the effectiveness is magnified when KGF is used on thinning or damaged areas. Contact us for full trial details and more photos.

“...used Latisse and experienced discoloration on my eyelids and under my eyes. This product was easy to use and discolouration faded and lashes maintained and increased their length and fullness.” - Annie

Participants in Skin Active trial were asked to rate their brows and lashes on a 5-point scale. Significant improvements were noted after 6 and 12 weeks of serum use.

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KGF FACTS
KGF is approved for use in cosmetic products. KGF will not alter stability of your existing formulas and can be used to quickly upgrade efficacy of existing products.

FORMULATING WITH KGF
INCI: sh-polypeptide-3 (skin conditioning agent, miscellaneous)
CAS#: 148348-15-6 Other Names: KGF-1, FGF-7, heparin-binding growth factor (HBGF-7)
Cleared for use as cosmetic ingredient by USFDA, EU (CosIng Listed), CFDA (IEDIC 20 15), Health Canada, NICNAS (usage report required)

Processing: Add to formulation at 0.05% during cool down phase with gentle mixing.
Storage: Store at 2-8°C, replacement recommended if not used within 2 years. Do not freeze.
Stability: In standard aqueous formulations (pH 4 to pH 8) and storage conditions will show efficacy at least 1 year.
KGF is effective at concentrations of parts per million. Using KGF at 0.05% will result in a final product concentration of 0.4 ppm.

TECHNICAL REFERENCES
All product development and studies by Skin Actives.
No animal testing.
All ingredients compatible with Peta’s Bunny Program.