HOW IT WORKS

A growth factor is a naturally occurring substance capable of stimulating cellular growth, proliferation, healing, and cellular differentiation.

In 1986, Stanley Cohen received the Nobel Prize for his work elucidating the role of the Epidermal Growth Factor (EGF) in the regulation of cell growth and development. This small protein (only 53 amino acids were found to enhance epidermal growth and keratinization. Work by Cohen and his collaborators demonstrated that EGF directly stimulated the proliferation of epidermal cells.

BENEFITS

Cell growth and division is required for the body to produce healthy skin. Natural EGF production declines with age. Supplementation has been shown to speed up the creation of new skin cells improving the results of many procedures. EGF has been shown to be effective after many procedures including peels, tattoo application and removal, exfoliation, and needling.

“...The photos show the scar on the first day and after four weeks of use. The redness has lightened significantly. The raised ridge has flattened some, but hopefully with more time and scar gel (with EGF), I expect the area to flatten and lighten further. I am very pleased with the improvement in appearance after just one month of use. Thank you for your awesome products.” - Ruth
FORMULATING WITH EGF

INCI: sh-oligopeptide-1 (skin conditioning agent) CAS# 62229-50-9
Cleared for use as cosmetic ingredient in USA (FDA), EU (CosIng Listed), CHINA (CFDA - IECIC 2015), Canada (Health Canada), Australia (NIOAS up to 0.25% SA concentration), Japan (MHLW)

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.

EGF can be used in combination with Vitamin A products.

Use with hydrolyzed collagen and amino acids for best effect.

EGF is effective at concentrations of parts per million. Using EGF at 0.05% will result in a final product concentration of 0.4 ppm.

ADVANCED SKIN RENEWAL SERUM
REPAIR & THICKEN

Many aesthetic procedures work by removing damaged skin. EGF speeds the generation of new cells improving the results of these procedures.

EGF FACTS

EGF will not alter stability of your existing formulas and can be used to quickly upgrade efficacy of existing products.

TECHNICAL REFERENCES


Draelos, Zoe Diana (2016) The Effect of a Combination of Recombinant EGF Cosmetic Serum and a Crosslinked Hyaluronic Acid Serum as Compared to a Fibroblast Conditioned Media Serum on the Appearance of Aging Skin JOURNAL OF DRUGS IN DERMATOLOGY 15: 738-741.

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