

RS-Biotin-Tripeptide-1™

Technical Specifications

INCI name: Water (and) Butylene Glycol (and) Biotinyl Tripeptide-1

TRADE name: Biotinyl-GHK Solution

Product Number: RS3.6

Product Composition

Sequence: Biotin-GHK

Purity: >85% (peptide)

Concentration: 10-500ppm in DI Water:Butylene Glycol

Chemical Family: Bioactive peptide solution

Bioactivity Summary

- **Reduces hair loss:** Peptide Biotinyl-GHK (vitamin H/Biotin), is an "adhesion protein" that acts to anchor the hair for better "rooting" of the hair to the skin. Retards hair loss by increasing the Anagen (hair growth) phase by up to 46%. In vitro studies showed hair follicles incubated for 14 days, hair growth of explants increased by as much as 121%.
- **Stimulates hair growth** – Peptides binded to Vitamin H (Biotin) are proven to increase the Anagen phase
- Stimulates natural **eye lash growth**.
- Is also a matrikine displaying powerful **tissue repair** activity.
- Binding studies indicate that biotinylated GHK (Bio-GHK) **binds effectively** to the collagen matrix and red blood cell (RBC) membrane
- Bio-GHK incorporated collagen **increases the NATURAL copper concentration** by ninefold at the wound site indicating the wound healing property of Bio-GHK can also be linked with both copper localization and matrikine activities.

Product Summary

Simply put, **RS-Biotinyl-Tripeptide-1** is the most cost effective, multi-use bioactive peptide available today. RS Synthesis manufactures all peptides in-house under strict quality guidelines, and can provide Biotin-GHK in the standard solution or pure lyophilized powder form at custom purity levels. We have capacity for full commercialization production, or small scale R&D requirements.

Recommended Use Level

1-3%

Manufacturer Information:

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