

## Anti-wrinkle and Firming Peptide

Cat. No. CECP-019

Lot. No. (See product label)

### Introduction

**Description** Pal-GHK and Pal-GOPR are exact replicas of natural skin extracellular matrix-derived peptides called Matrikines. They induce skin responses by mimicking messenger peptides and interacting with cell-specific receptors, thereby regulating cellular activities. These peptides activate certain genes involved in extracellular matrix renewal and cell proliferation, promoting the synthesis of extracellular matrix macromolecules and initiating the tissue matrix repair process, ultimately producing the collagen and other components needed by the skin. 1. Pal-GHK (Palmitoyl Tripeptide-1): Pal-GHK is formed by combining the tripeptide GHK (Glycine-Histidine-Lysine) with a palmitoyl group. GHK has various biological activities in the body, including promoting wound healing, anti-inflammatory, and antioxidant effects. The introduction of the palmitoyl group enhances the lipophilicity of GHK, making it easier to penetrate the skin. 2. Pal-GOPR (Palmitoyl Tetrapeptide-7): Pal-GOPR is formed by combining the tetrapeptide GOPR (Glycine-Hydroxyproline-Proline-Arginine) with a palmitoyl group. This tetrapeptide significantly increases the synthesis of collagen and hyaluronic acid in the skin, enhancing skin elasticity and firmness. These peptides interact with cell surface receptors and initiate a series of signal transduction pathways, ultimately promoting the synthesis of extracellular matrix macromolecules (such as collagen, elastin, hyaluronic acid) and the repair of the tissue matrix, improving the structure and function of the skin. In skincare and cosmetic products, Pal-GHK and Pal-GOPR are widely used in anti-aging and repair products to help slow down skin aging, enhance skin firmness and elasticity, and improve skin texture.

**Applications** Palmitoyl Tripeptide-1 and Palmitoyl Tetrapeptide-7 work synergistically to promote the production of collagen type I, fibronectin, and hyaluronic acid more effectively than when applied alone. It can be used in anti-wrinkle and anti-aging products.

### Product Information

**Appearance** Colorless to slightly milky translucent gel

**Form** Gel

**pH Stability** 4.0-6.0

### Usage and Packaging

**Package** 1kg/bottle

### Storage and Shipping Information

**Storage** Keep sealed, shaded and cool.