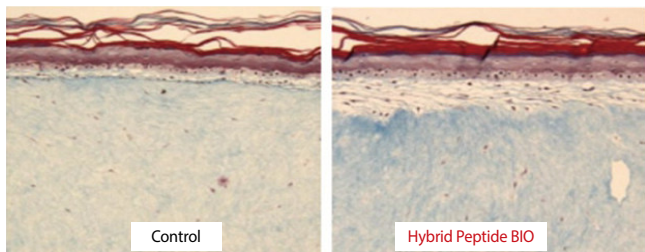


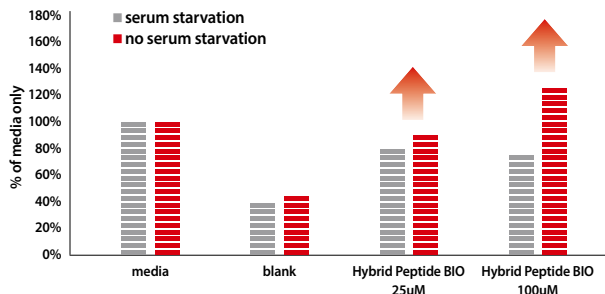
## Biological Activity

### Step1 : Collagen type-1



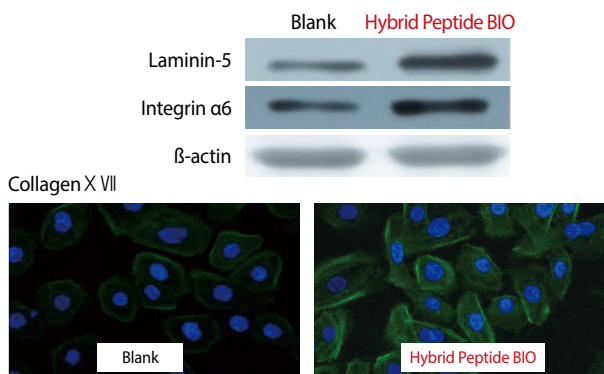
Masson's trichome staining

**Hybrid Peptide BIO** increases expression of collagen type1 in 3D artificial skin model.



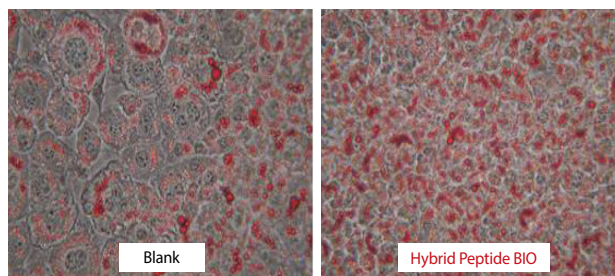
**Hybrid Peptide BIO** prevents keratinocyte-mediated reduction of collagen synthesis

### Step2 : Cell-to-cell communication



**Hybrid Peptide BIO** increases expression of collagen XVII, laminin-5, and integrin α-6 in keratinocyte cells

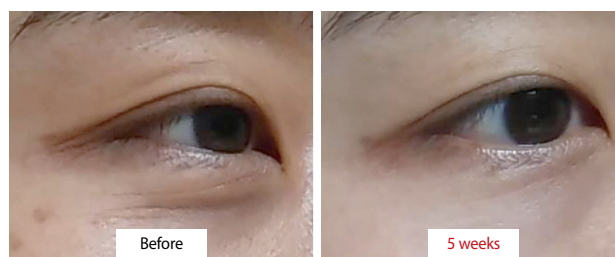
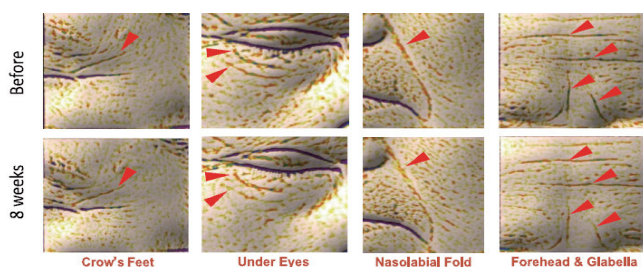
### Step3 : Adipogenesis



**Hybrid Peptide BIO** enhances formation of lipid droplet in activated pre-adipocyte cells

## Clinical Efficacy

### Wrinkle Reduction



**Hybrid Peptide BIO** containing formulation reduces 4 kinds of fine wrinkle effectively

#### PCPC/INCI Name

- Biotin, Hexapeptide-2

#### Composition

- Hybrid Peptide BIO, 1,2-Hexanediol, Water

**Patent No** KP 10-1667383, US 9,180,082, EP 2666780, JP 6014240

#### Recommended Dosage

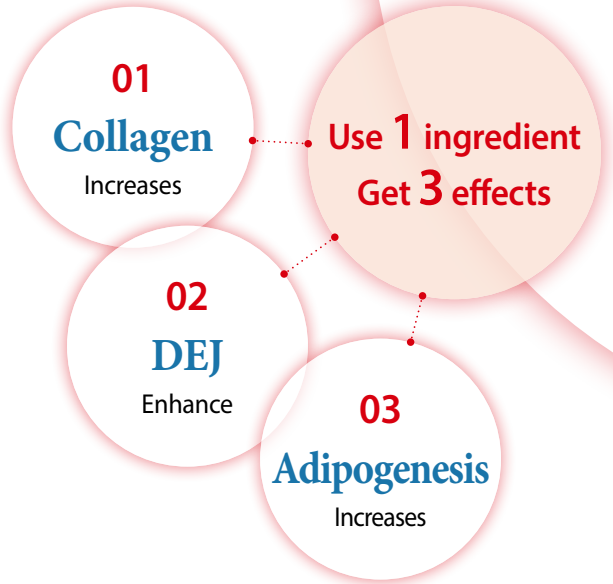
- 1~5% for cream and essence
- 0.01~0.1% for masksheet

#### Application

- anti-wrinkle
- anti-ageing

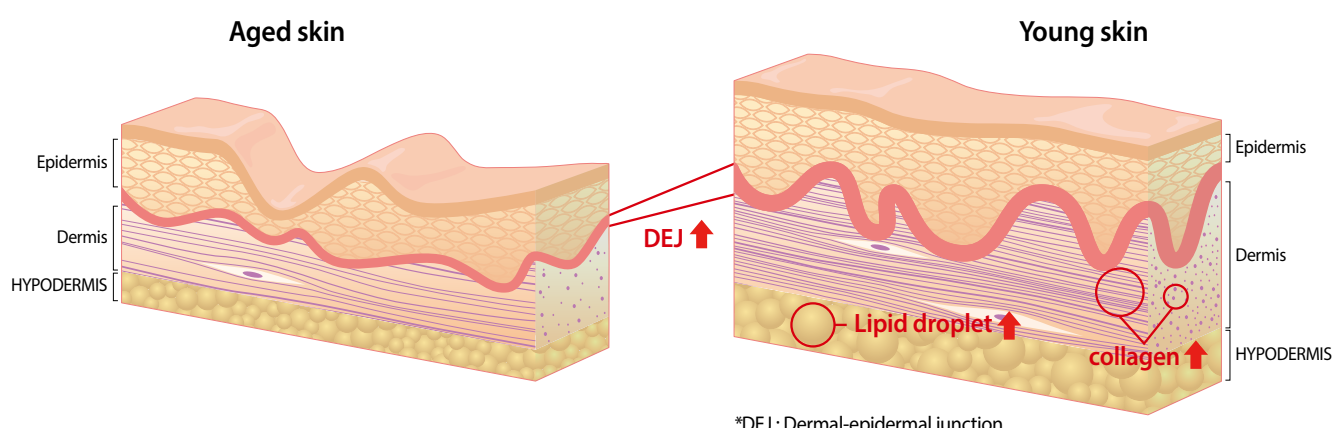
# Hybrid Peptide BIO

## Three Step Wrinkle Reduction



### Description

**Hybrid Peptide BIO** effectively reduces fine wrinkle through stimulation of the **cell-to-cell communication** in the keratinocyte cells (Epidermis), **collagen production** in the fibroblast cells (Dermis), **adipogenesis** in the pre-adipocyte cells (Hypodermis).



\*DEJ : Dermal-epidermal junction