



## Recombinant Humanized Type I Collagen, Lyophilized Powder

**Product Number: RPC001**

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### Description

Type I collagen is a vital component of human skin. Its fibrous bundle structure provides the skin with strong support and toughness, helping to maintain firmness and elasticity. This Recombinant Humanized Type I Collagen is derived from microorganisms. It is characterized by low impurity and high purity, which effectively reduces the risk of allergic reactions. Utilizing advanced protein engineering technology and a 28,000-liter yeast platform, the product ensures high purity and activity while remaining free of bacterial endotoxins.

### Features

- High Purity & Safety: Features high purity and activity with no bacterial endotoxins.
- Low Allergy Risk: Microbe-derived with low impurities to minimize allergic risks.
- Moisturizing: Excellent hydrophilicity and moisture retention for deep skin hydration.
- Cost-Effective: Advanced production platforms reduce costs, providing a cost-effective raw material for beauty and medical device R&D.

### Application

Suitable for the face, eye area, neck, and other regions:

- Improves the skin barrier and enhances immune function.
- Inhibits tyrosinase to reduce melanin deposition.
- Locks in moisture to prevent dry lines and improves the skin microbiome.

### Quality Control

- Grade: Molecular biology grade, sterile lyophilized.
- CAS No.: 9064-67-9.
- Molecular Weight: 26.9 KD.
- Source: Microorganism (Human gene sequence).
- Purity (SDS-PAGE): > 90%.
- Protein Content (Lowry): > 90%.
- Water Content: < 10%.
- Endotoxin: < 0.5 EU/mg.
- Microbial Limits: Total bacterial count < 100 CfU/g; Total fungal count < 10 CfU/g.
- Residual Heavy Metals: < 10 ppm (as Pb).

### Storage

Valid for at least 1 year when stored in a dry environment below -20°C after receipt.

### Specification

Product Name	Product Number	Appearance	Package
Recombinant Humanized Type I Collagen	RPC001	White or off-white sponge-like lyophilized powder	50g/bag, 100g/bag, 1kg/bag, etc. (Customizable kg-level)