



Tinzyme Co., Limited

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Recombinant Mussel Adhesive Proteins, Sterile Lyophilized Powder , Molecular Biology Grade

Product Number: RPA0602

Shipping and Storage

1. Short term environmental temperature transportation and storage; It is recommended to seal and store at a temperature below -20°C.
2. The shelf life of storage in a dry environment below -20°C is at least 3 year.

Description

This product is fermented and freeze-dried using genetically engineered mussel mucin gene yeast. The protein has viscosity, can repair wounds, accelerate skin repair, and has excellent biocompatibility and non toxicity. It can be used as a raw material for medical devices, cosmetics, and other products. Compared with medical device grade mussel mucin, cosmetic grade mussel mucin is more affordable and focuses on daily skincare needs. At the same time, the product still maintains basic stickiness and skin friendly characteristics, making it the preferred ingredient in skincare supplements, especially suitable for moisturizing and soothing the skin. The product complies with ISO9001 quality management standards, and all raw materials are traceable.

Application

Medical biological adhesive: used for corneal or conjunctival rupture surgery, skin tissue and bone bonding, etc; Spray agent: used for repairing skin injuries such as burns, scalds, and postoperative injuries, and has the effects of local itching relief, anti-inflammatory, and promoting repair. It can also be used as an auxiliary treatment product for rhinitis; Cosmetics: It can form a micro nano protective film on the skin surface, which plays the role of physical barrier and antioxidant. It is mostly in the form of facial mask, face cream and essence in the market.

Specification

1. **Source species:** mussel
2. **Molecular weight:** 16.06KD
3. **PI:** 10.01
4. **Dilution buffer:** water
5. **Storage buffer:** normal saline

Quality control

1. **Appearance:** White or yellowish freeze-dried powder
2. **Odor:** Odorless or slightly acidic characteristic odor
3. **Packing quantity:** not less than the marked quantity
4. **PH:** 4.5-8.5
5. **Purity:** ≥ 90%
6. **Protein content:** ≥10%
7. **Moisture content:** <15%
8. **microorganism:** The total number of bacterial colonies should be ≤ 200cfu/g; The total number of fungal colonies should be ≤ 100cfu/g; Escherichia coli and pathogenic pyogenic bacteria should not be detected.

Note

1. For your safety and health, please wear lab clothes, protective gloves, goggles, etc. when using.

For Research Use Only



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2. This sterile freeze-dried powder is prone to moisture absorption, please seal and store.