

Recombinant Human Superoxide Dismutase (rhSOD, Cosmetic Grade)

Cat. No. CEFX-379

Lot. No. (See product label)

Introduction

Description

Superoxide dis-mutase (SOD) is a kind of metal enzyme which widely exists in living organisms and can clean up the superoxide anion free radicals (O₂⁻) in living organisms, and maintain the dynamic balance of free radicals generation and cleanup in the organism. This product is a lyophilized powder made from recombinant yeast expression, multi-step isolation and purification, and then freeze-dried. This product is a human SOD, with the same sequence as the naturally-occurring SOD in the human body, and has a higher affinity for the human body.

Applications

This product is solid and can be added to all kinds of whitening and antioxidant skin care products for face, eyes and neck, such as functional emulsions, nutrient creams, serums, masks and sunscreens, BB creams.

Synonyms

Superoxide dismutases; EC 1.15.1.1; copper-zinc superoxide dismutase; Cu-Zn superoxide dismutase; Cu,Zn-SOD

Product Information

Species

Human

Source

Pichia yeast

Appearance

Light green powder

Form

lyophilized powder

CAS No.

9054-89-1

Molecular Weight

15.9KD+1.6KD

Purity

≥95% (SDS-PAGE)

Specific Activity

1,500 U/mg

Function

Antioxidant, pre-protects against blue light/UV radiation damage

Usage and Packaging

Package

100g or 1kg/bag

Storage and Shipping Information

Storage

This product is a solid powder and can be stored for 24 months in a dark, sealed environment at -15°C to -20°C. To prevent microbial contamination after opening, please seal the cap promptly. After opening the bottle, store it according to the guidelines and use it as soon as possible.