Creative Enzymes®

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	White or off-white powder
Form	lyophilized powder
CAS No.	9054-89-1
Molecular Weight	15.9KD+1.6KD
Purity	≥95% (SDS-PAGE)
Specific Activity	10,000 U/g
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.