Creative Enzymes®

Recombinant Human Superoxide Dismutase (rhSOD, Food Grade)

Cat. No. CEFX-378

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 can be used in food and cosmetics to eliminate free radicals, brighten skin, and provide antioxidant protection.
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	1,000 U/mg
Function	Antioxidant, pre-protects against blue light/UV radiation damage

Usage and Packaging

Package	5 million U or 10 million U

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.