Creative Enzymes
Diagnostic Enzymes

Recombinant Human Cu/Zn Superoxide Dismutase (rHuCu/ZnSOD)

Product Information

Cat#	DIA-828
Descriptions	Recombinant Human Cu/Zn Superoxide Dismutase (rHuCu/ZnSOD) catalyzes the dismutation of superoxide anions into hydrogen peroxide and oxygen, protects cells from oxidative damage, and is applied for antioxidant research and anti-inflammatory drug development.
Applications	Recombinant Human Cu/Zn Superoxide Dismutase (rHuCu/ZnSOD) is suitable for oxidative stress detection kits and antioxidant efficacy assay reagent development.
CAS No.	401-01-1816
Molecular Weight	Approximately 31.6 kDa, a homodimer, non-glycosylated polypeptide chain containing 2 × 153 amino acids
Enzyme Source	Escherichia coli
Synonyms	SOD1
Form	Sterile filtered white lyophilized (freeze-dried) powder | Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4.
Activity Definition	Fully biologically active when compared to standard. The potency per mg was determined by pyrogallol autoxidation method and was found to be more than 3000 U/mg.
Purity	> 95% by SDS-PAGE and HPLC
Storage	Avoid repeated freeze-thaw cycles. Store at -20 to -70°C in the original packaging for up to 6 months from the date of receipt. After opening, store at -20 to -70°C under sterile conditions for up to 3 months.
Package	100 µg, 500 µg

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