

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

Product Information

Cat#	DIA-829
Descriptions	Recombinant Human Cu/Zn Superoxide Dismutase, His (rHuCu/ZnSOD, His) carries a His-tag for rapid affinity purification, retains full enzymatic activity and structural properties of native human SOD, and supports various oxidative stress research applications.
Applications	Recombinant Human Cu/Zn Superoxide Dismutase, His (rHuCu/ZnSOD, His) is used for affinity purifiable antioxidant detection kits and oxidative damage assay reagent development.
CAS No.	401-018-1816
Molecular Weight	Approximately 39.9 kDa, a homodimer, non-glycosylated polypeptide chain containing 2 × 189 amino acids with Met, Gly and 10 × His at N-terminus
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 Pyrogalllic Acid method and was found to be more than 1.0×10^4 IU/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