

Human Superoxide Dismutase

CATALOG NUMBER: SD-250P, 250 µg

Introduction	Cu/Zn Human Superoxide Dismutase is a stable dimer of identical subunits with a combined molecular mass of 31.6kD. This enzyme dismutates the superoxide radical to molecular oxygen. This enzyme has been expressed in E.Coli and purified using sequential chromatography steps.
Description	Recombinant Human Superoxide Dismutase produced in E. coli. is a stable dimer of two identical subunits, non-glycosylated, containing 308 amino acid residues, two pairs of disulfide bonds and having a combined molecular mass of 31.6kD.
Source	<i>E. coli</i>
Purity	≥ 95%; Dimer ≥ 90% (by SDS PAGE and HPLC)
Endotoxin Level	≤1 EU/mg, determined by the LAL method
Biological Activity	≥ 7000 U/mg
Formulation	Sterile lyophilized powder in 50 mM Phosphate buffer, pH7.4. Reconstitute with double distilled water.
Storage	Stable for 6-months from the date of shipment when kept at -20 °C or -70 °C. Upon reconstitution, it can be stored at 4 °C for at least one month or -20 °C for at least three months. Avoid repeated freeze-thaw cycles.
Usage	This product is produced for LABORATORY RESEARCH USE ONLY.

