

Recombinant Human Superoxide Dismutase

Catalog Number	Size
AG123-250	250µg
AG123-B	Bulk

Specifications and Use

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 31.6kDa.
Source	E. coli.
Molecular Mass	Approximately 31.6kDa.
Purity	≥95%, as determined by reduced SDS-PAGE Dimer ≥90%, as determined by SEC-HPLC.
Endotoxin Level	≤1EU/µg, determined by the LAL method.
Biological Activity	≥7000U/mg
Formulation	Lyophilized from a 0.2µm filtered solution in 50mM Phosphate buffer, pH7.4.
Reconstitution	It is recommended to reconstitute the lyophilized rHuSOD in sterile ddH ₂ O.
Storage	Lyophilized samples are stable for greater than six months from date of receipt at -20°C to -70°C. The reconstituted samples can be stored under sterile conditions at 2- 8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

Human Superoxide Dismutase

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.

FOR RESEARCH USE ONLY