

**Recombinant Human Superoxide Dismutase****Catalog Number:** SJE01**Strength:** 250µg***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 31.6kD.**Source:** E. coli.**Molecular Mass:** Approximately 31.6kD.**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<sub>2</sub>O.**Storage:** Lyophilized samples are stable for greater than three months from date of receipt at -20°C.**■** Upon reconstitution, this cytokine can be stored under sterile conditions at 2-8°C for one month without detectable loss of activity.***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. NOT FOR HUMAN USE.