

Human SOD Recombinant Protein



RPPB4773

Product Information Protein Information

Product SKU:

RPPB4773

Accession:

P00441

Host:

Escherichia Coli.

Protein description:

Recombinant Human Superoxide Dismutase, 15N produced in E.Coli is a single non-glycosylated polypeptide chain containing 153 amino acids and having a total molecular mass of 15.8kDa.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Superoxide dismutase [Cu-Zn], EC 1.15.1.1, SOD1, SOD, ALS, ALS1, IPOA.

Formulation:

Lyophilized from a 0.2µm filtered concentrated (1mg/ml) solution in PBS, 0.1mM CuCl₂ and 0.2mM ZnCl₂.

Purity:

Greater than 95.0% as determined by SDS-PAGE Analysis.

Solubility:

It is recommended to reconstitute the lyophilized SOD in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized SOD although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SOD should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Amino Acid Sequence:

ATKAVCVLKGDGPVQGIINFEQKESNGPVKVVWGSIKGLTEGLHGFHVHEFGD
NTAGCTSAGPHFNPLSRKHGGPKDEERHVGDLGNVTADKDGADVSIEDSV
ISLSGDHCIIGRTLTVHEKADDLGKGGNEESTKTGNAGSRLACGVIGIAQ.