

Human SOD His Recombinant Protein



RPPB4772

Product Information Protein Information

Product SKU:

RPPB4772

Accession:

P00441

Host:

Escherichia Coli.

Protein description:

SOD Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 189 amino acids with a 10 × His at N-terminus and having a molecular mass of 40.0kDa. The SOD Human is purified by proprietary chromatographic techniques.

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 0.2um filtered concentrated solution in PBS, pH 7.4.

Purity:

Greater than 95.0% as determined by SDS-PAGE and HPLC analyses.

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 Human although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution SOD Human should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Amino Acid Sequence:

MGHHHHHHHH HHSSGHIEGR HMTYARAAAR QARALEATKA VCVLKGDPV QGIINFEQKE SNGPVKVVGS
IKGLTEGLHG FHVHEFGDNT AGCTSAGPHF NPLSRKHGGP KDEERHVGDL GNVTADKDGV ADVSIEDSVI
SLSGDHCIIG RTLNVHEKAD DLGKGGNEES TKTGNAGSRL ACGVIGIAQ

Biological Activity:

Fully biologically active when compared to standard. The specific activity was tested by Pyrogalllic Acid method and was found to be more than 10,000Units/mg.