

# Human SOD1 Recombinant Protein



RPPB4774

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## Product Information    Protein Information

**Product SKU:**

RPPB4774

**Accession:**

P00441

**Host:**

Escherichia Coli.

**Protein description:**

Recombinant Human Cu/Zn Superoxide Dismutase produced in E.Coli is a single monomeric non-glycosylated polypeptide chain containing 154 amino acids and having a total molecular mass of 15.9 kDa. The SOD1 is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

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

**Formulation:**

SOD1 filtered solution (1mg/ml) contains 20mM Tris-HCl pH-7.5 and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MATKAVCVLK GDGPVQGIIN FEQKESNGPV KVGSIKGLT EGLHGFHVHE FGDNTAGCTS AGPHFNPLSR  
KHGGPKDEER HVGDLGNVTA DKDGVADVSI EDSVISLSDG HCIIGRTLWV HEKADDLGKG GNEESTKTGN  
AGSRLACGVIGIAQ.

**Biological Activity:**

Specific activity is > 500 units/mg, in which one unit will inhibit the rate of reduction of cytochrome c by 50% in a coupled system, using xanthine and Xanthine oxidase at pH 7.8 at 25°C.