

Human SOD2 Recombinant Protein



RPPB4775

Product Information Protein Information

Product SKU:

RPPB4775

Accession:

P04179

Host:

Escherichia Coli.

Protein description:

SOD2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 219 amino acids (25-222 a.a.) and having a molecular mass of 24.4kDa. SOD2 protein is fused to a 20 amino acid His-Tag at N-terminus and purified by standard chromatography.

Appearance:

Sterile filtered colorless solution.

Synonyms:

MNSOD, MVCD6, IPOB, Mn superoxide dismutase, EC=1.15.1.1.

Formulation:

SOD2 Human solution containing 20mM Tris-HCl pH-8 & 20% glycerol.

Purity:

Greater than 95% 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:

MGSSHHHHHH SGLVPRGSH MKHSLPDLPY DYGALEPHIN AQIMQLHHSK HHAAYVNNLN VTEEKYQEAL
AKGDVTAQIA LQPALKFNGG GHINHSIFWT NLSPNGGGEP KGELLEAIKR DFGSFDKFKE KLTAASVGVQ
GSGWGWLGFN KERGHQLQIAA CPNQDPLQGT TGLIPLLID VWEHAYYLQY KNVRPDYLKA IWNVINWENV
TERYMACKK.

Biological Activity:

Specific activity is > 1,200 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 25C in a 1.5 ml reaction volume.