

Human SORD Recombinant Protein



RPPB2278

Product Information Protein Information

Product SKU:

RPPB2278

Accession:

Q00796

Host:

Escherichia Coli.

Protein description:

SORD Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 377 amino acids (1-357 a.a.) and having a molecular mass of 40.4 kDa. SORD protein is fused to a 20 amino acid His tag at N-terminus and is purified by standard chromatography.

Appearance:

Sterile filtered colorless solution.

Synonyms:

EC 1.1.1.14, SORD1, SORD, L-Iditol 2-dehydrogenase, DHSO, Sorbitol Dehydrogenase.

Formulation:

SORD protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl pH-8, 0.2M NaCl, 5mM DTT & 20% glycerol.

Purity:

Greater than 90% 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 MAAAAPNNL SLVHGPGL RLENYPIPEP GPNEVLLRMH SVGICGSDVH
YWEYGRIGNF IVKKPMVLGH EASGTVEKVG SSVKHLKPGD RVAIEPGAPR ENDEFCKMGR YNLSPSIFFC
ATPPDDGNLC RYKHNAAFC YKLPDNTFE EGALIEPLSV GIHACRRGGV TLGHKVLVCG AGPIGMVTL
VAKAMGAAQV VTDLSATRL SKAKEIGADL VLQISKESQ EIARKVEGQL GCKPEVTIEC TGAEASIQAG
IYATRSGGTL VLVGLGSEMT TVPLLHAAIR EVDIKGVFRY CNTWPVAISM LASKSVNVKP LVTHRFPLEK
ALEAFETFKK GLGLKIMLKC DPSDQNP.

Biological Activity:

Specific activity is > 0.2 units/mg, in which one unit will convert 1.0 umole of D-fructose to D-sorbitol per minute at pH 7.5 at 25°C.