

Human SORD Recombinant Protein



RPPB2279

Product Information Protein Information

Product SKU:

RPPB2279

Accession:

Q00796

Host:

Escherichia Coli.

Protein description:

SORD Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 357 amino acids (1-357a.a.) and having a molecular mass of 38.3kDa.SORD is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered colorless solution.

Synonyms:

EC 1.1.1.14, SORD1, SORD, L-iditol 2-dehydrogenase, DHSO, Sorbitol Dehydrogenase,SDH, (R,R)-butanediol dehydrogenase, L-iditol 2-dehydrogenase, Polyol dehydrogenase, Ribitol dehydrogenase, RDH, Xylitol dehydrogenase, XDH

Formulation:

The SORD solution (0.5mg/ml) contains 10% glycerol, 20mM Tris-HCl buffer (pH 8.5) and 1mM DTT.

Purity:

Greater than 90.0% 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:

MAAAAKPNNL SLVVHGPGL RLENYPIPEP GPNEVLLRMH SVGICGSDVH YWEYGRIGNF IVKKPMVLGH
EASGTVEKVG SSVKHLKPGD RVAIEPGAPR ENDEFCKMGR YNLSPSIFFC ATPPDDGNLC RFYKHNA AFC
YKLPDNTFE EGALIEPLSV GIHACRRGGV TLGHKVLVCG AGPIGMVTLL VAKAMGAAQV VVTDLSATRL
SKAKEIGADL VLQISKESQ EIARKVEGQL GCKPEVTIEC TGAEASIQAG IYATRS GGTL VLVGLGSEMT
TVPLLHAAIR EVDIKGVFRY CNTWPVAISM LASKSVNVKP LVTHRFPLEK ALEAFETFKK GLGLKIMLKC
DPSDQNP

Biological Activity:

Specific activity > 15unit/mg. Defined by the amount of enzyme that catalyze the reduction 1.0 umole of D-fructose to D-sorbitol per minute at pH 7.5 at 37°C.