

## SORD Human

**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.

Catalog #:ENPS-527

For research use only.

**Synonyms:**EC 1.1.1.14, SORD1,SORD, L-iditol 2-dehydrogenase, DHSO, Sorbitol Dehydrogenase.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MAAAAPNNL SLVHGPGL  
RLENYPIPEP GPNEVLLRMH SVGICGSDVH YWEYGRIGNF IVKKPMVLGH EASGTVEKVG  
SSVKHLKPGD RVAIEPGAPR ENDEFCKMGR YNLSPSIFFC ATPDDGNLC RFYKHNA AFC  
YKLPDNVTFE EGALIEPLSV GIHACRRGGV TLGHKVLVCG AGPIGMVTLL VAKAMGAAQV  
VVTDLSATRL SK

**Purity:**Greater than 90% as determined by SDS-PAGE.

**Formulation:**

SORD Human solution containing 20mM Tris HCL pH-8, 0.2M NaCl, 5mM DTT & 20% glycerol.

**Stability:**

SORD Human although stable at 4°C for 1 week, should be stored desiccated below -18°C.  
Please prevent freeze thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

SORD enzyme is part of the zinc-containing alcohol dehydrogenase family that is broadly expressed in kidney and in the lens eye. SORD enzymatically catalyzes the zinc-dependent interconversion of polyols, such as sorbitol and xylitol, to their respective ketoses.

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