

Recombinant Human SORD, His-tagged

Cat. No. SORD-30012TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 163-357 of Human Sorbitol Dehydrogenase with an N terminal His tag; Predicted MWt 22kDa.
Species	Human
Source	E.coli
ProteinLength	163-357 a.a.
Description	Sorbitol dehydrogenase (SORD; EC 1.1.1.
Conjugation	HIS
Tissue specificity	Expressed in kidney and epithelial cells of both benign and malignant prostate tissue. Expressed in epididymis (at protein level).
Form	Lyophilised:Reconstitute with 77 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	HACRRGGVTLGHKVLVCGAGPIGMVTLVAKAMGAAQVVV TDLSATRLSKAKEIGA DLVLQISKESPQEIARKVEGQL GCKPEVTIECTGAEASIQAGIYATRSGGNLVLVGLG

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SE MTTVPLLHAAIREVDIKGVFRYCNTWPVAISMLASKSV NVKPLVTHRFPLEKALE
AFETFKKGLGLKIMLKCDPSDQN P

**Sequence
Similarities**

Belongs to the zinc-containing alcohol dehydrogenase family.

GENE INFORMATION

Gene Name [SORD sorbitol dehydrogenase \[Homo sapiens \]](#)

Official Symbol [SORD](#)

Synonyms SORD; sorbitol dehydrogenase;

Gene ID [6652](#)

mRNA Refseq [NM_003104](#)

Protein Refseq [NP_003095](#)

MIM [182500](#)

Uniprot ID [Q00796](#)

**Chromosome
Location** 15q15-q21.1

Pathway Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function L-iditol 2-dehydrogenase activity; L-iditol 2-dehydrogenase activity; NAD binding;

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metal ion binding; oxidoreductase activity;

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