

Datasheet for ABIN7281100
SORD Protein (AA 1-357)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	SORD
Protein Characteristics:	AA 1-357
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MAAAAKPNNL SLVVHGPDDL RLENYPIPEP GPNEVLLRMH SVGICGSDVH YWEYGRIGNF IVKKPMVLGH EASGTVEKVG SSVKHLKPGD RVAIEPGAPR ENDEFCKMGR YNLSPSIFFC ATPPDDGNLC RFYKHNA AFC YKLPDNTFE EGALIEPLSV GIHACRRGGV TLGHKVLVCG AGPIGMVTLL VAKAMGAAQV VVTDL SATRL SKAKEIGADL VLQISKESPQ EIARKVEGQL GCKPEVTIEC TGAEASIQAG IYATRSGGTL VLVGLGSEMT TVPLLHAAIR EVDIKGVFRY CNTWPVAISM LASKSVNVKP LVTHRFPLEK ALEAFETFKK GLGLKIMLK C DP SDQNP
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 15 units/mg, and is defined as the amount of enzyme that catalyze the reduction 1.0 umole of D-fructose to D-sorbitol per minute at pH 7.5 at 37C.

Target Details

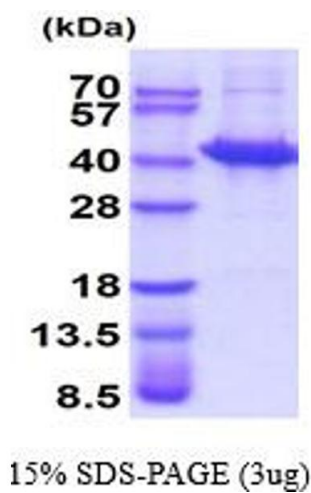
Target:	SORD
Alternative Name:	SORD (SORD Products)
Background:	SORD, also known as sorbitol dehydrogenase, is a member of the zinc-containing alcohol dehydrogenase family. It is widely expressed with highest expression in kidney and in the lens of the eye. SORD enzymatically catalyzes the zinc-dependent interconversion of polyols, such as sorbitol and xylitol, to their respective ketoses. Recombinant human SORD protein, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	38.3kDa (357aa)
NCBI Accession:	NP_003095

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer(pH 8.5) containing 10 % glycerol, 1 mM DTT
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE

Image 1.