

Datasheet for ABIN7319049
SORD Protein (His tag)



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Overview

Quantity:	50 µg
Target:	SORD
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SORD protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human SORD Protein (His Tag)
Sequence:	Ala2-Pro357
Characteristics:	Recombinant Human Sorbitol Dehydrogenase is produced by our Mammalian expression system and the target gene encoding Ala2-Pro357 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SORD
Alternative Name:	SORD (SORD Products)
Background:	Background: Sorbitol dehydrogenase, also known as L-iditol 2-dehydrogenase and SORD, is a member of the zinc-containing alcohol dehydrogenase family. SORD exists in a homotetramer

Target Details

and binds one zinc ion per subunit. SORD is expressed in kidney and epithelial cells of both benign and malignant prostate tissue. SORD can convert sorbitol to fructose and catalyzes the interconversion of polyols and their corresponding ketoses, and together with aldose reductase to make up the sorbitol pathway. SORD is up-regulated by androgens and down-regulated by castration. SORD may play a role in the sperm motility by providing an energetic source for sperm.

Synonym: Sorbitol Dehydrogenase, L-Iditol 2-Dehydrogenase, SORD

Molecular Weight: 39.3 kDa

UniProt: [Q00796](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 0.2M NaCl, 5 mM DTT, 20 % glycerol, pH 8.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.