Product Name: Recombinant Human SORD (C-6His)
Catalog #: PHH1554

Summary

Name	Sorbitol dehydrogenase/SORD
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	AAH21085.1
Host	Human Cells
Species	Human
Predicted Molecular Mass	39.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, 5mM DTT, 20% Glycerol, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

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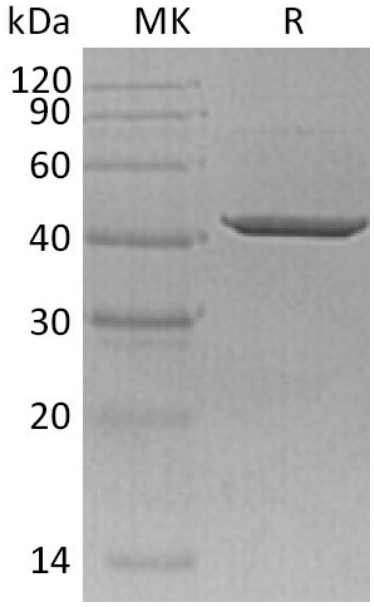

Alternative Names

Sorbitol Dehydrogenase; L-Iditol 2-Dehydrogenase; SORD

Background

Sorbitol dehydrogenase, also known as L-iditol 2-dehydrogenase and SORD, is a member of the zinc-containing alcohol dehydrogenase family. SORD exsits in a homotetramer and binds one zinc ion per subunit. SORD is expressed in kidney and epithelial cells of both benign and malignant prostate tissue. SORD can converts 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.

Note

For Research Use Only , Not for Diagnostic Use.