

## 32-7687: Recombinant Human Sorbitol Dehydrogenase/SORD (C-6His)

**Gene :** SORD  
**Gene ID :** 6652  
**Uniprot ID :** Q00796

### Description

Source: Human Cells.  
MW :39.3kD.

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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM TrisHCl, 0.2M NaCl, 5mM DTT, 20% glycerol, pH8.0.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** AAAAKPNNLSLVVHGPGDLRLNYPPIPEPGPNEVLLRMHSGICGSDVHYWEYGRIGNFIVKKPMV  
LGHEASGTVEKVGSSVKHLKPGDRVAIEPGAPRENDEFCKMGRYNLSPSIFFCATPPDDGNLCRF  
YKHNAAFICYKLPDNTFEEGALIEPLSVGIHACRRGGVTLGHKVLVCGAGPIGMVTLLVAKAMGAA  
QVVVTDLSATRLSKAKEIGADLVLQISKESPQEIARKVEGQLGCKPEVTIECTGAEASIQAGIYATRS  
GGTLVLVGLGSEMTTVPLLHAAIREVDIKGVFRYCNTPVVAISMLASKSVNVKPLVTHRFPLEKALE  
AFETFKKGLGLKIMLKCDPSDQNPVDHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/Åµg (1 IEU/Åµg) as determined by LAL test.