

Recombinant Human Sorbitol Dehydrogenase/SORD Protein(C-6His)

Cat.NO.: TP05670

3th Edition

Synonyms:Sorbitol Dehydrogenase; L-Iditol 2-Dehydrogenase; SORD

Description: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.

Form:PBS

Molecular Weight:39.3 kDa

Sequences:Ala2-Pro357

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.