

Bioactive

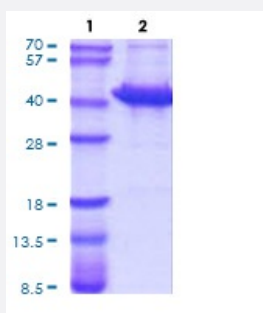
Full-Length

SORD (Human) Recombinant Protein

Catalog # P7970

Size 100 ug

Applications



Specification

Product Description

Human SORD (Q00796, 1 a.a. - 357 a.a.) full length recombinant protein expressed in *Escherichia coli*.

Sequence

MAAAKPNLNLVVGPGDLRLNYPPEPGPNEVLLRMHSGICGSDVHYWEYGRIGNFVKKP
MVLGHEASGTVEKVGSSVKHLKPGDRVAIEPGAPRENDEFCKMGRYNLSPSIFFCATPPDDGNL
CRFYKHNAAFICYKLPDNTFEEGALIEPLSVGIHACRRGGVTLGHKVLVCGAGPIGMVTLVAKAM
GAAQVVVTDLSATRLSKAKEIGADLVLQISKESPEIARKVEGQLGCKPEVTIECTGAEASIQAGY
ATRSGGNLVLVGLGSEMTTVPLLHAAIREVDIKGVFRYCNTWPVAISMLASKSVNVKPLVTHRFPL
EKALEAFETFKKGLGLKIMLKCDPSDQNP

Host

Escherichia coli

Theoretical MW (kDa)

38.3

Form

Liquid

Preparation Method

Escherichia coli expression system

Purity

> 90% by SDS-PAGE

Activity

Specific activity is > 15 unit/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 37°C.

Quality Control Testing

3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.

Storage Buffer

In 20mM Tris-HCl pH 8.5 (10% glycerol, 1 mM DTT)

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — SORD

Entrez GeneID[6652](#)**Protein Accession#**[Q00796](#)**Gene Name**

SORD

Gene Alias

SORD1

Gene Description

sorbitol dehydrogenase

Omim ID[182500](#)**Gene Ontology**[Hyperlink](#)**Other Designations**

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Pathway

- [Fructose and mannose metabolism](#)
- [Metabolic pathways](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)