Recombinant Rat Sord protein, His & T7-tagged

Cat. No. Sord-7045R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Sord aa. (Ala2~Pro357 (Accession # P27867)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala2~Pro357
Description	Catalyzes the conversion of L-iditol and NAD+ to L-sorbose and NADH in the polyol pathway; acts as a tetramer with one zinc atom per subunit.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

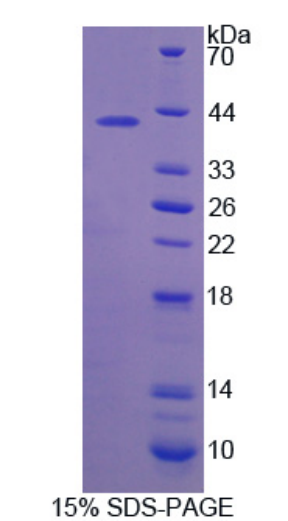
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	accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Sord sorbitol dehydrogenase [Rattus norvegicus (Norway rat)]
Official Symbol	Sord
Synonyms	Sord; sorbitol dehydrogenase; sorbitol dehydrogenase; L-iditol 2-dehydrogenase
Gene ID	24788
mRNA Refseq	NM_017052.2
Protein Refseq	NP_058748.2
UniProt ID	P27867

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SDS-PAGE	 15% SDS-PAGE

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