

Recombinant Human SORD

Catalog No: #GP13627



Package Size: #GP13627-1 100ug

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Description

Product Name	Recombinant Human SORD
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 158-357 amino acids of human SORD
Target Name	sorbitol dehydrogenase
Other Names	SORD1; HEL-S-95n
Accession No.	Swissprot:Q00796Gene Accession:BC021085
Uniprot	Q00796
GeneID	6652;
Storage	-20~-80°C, pH 7.6 PBS

Background

Sorbitol dehydrogenase (SORD; EC 1.1.1.14) catalyzes the interconversion of polyols and their corresponding ketoses, and together with aldose reductase (ALDR1; MIM 103880), makes up the sorbitol pathway that is believed to play an important role in the development of diabetic complications (summarized by Carr and Markham, 1995 [PubMed 8535074]). The first reaction of the pathway (also called the polyol pathway) is the reduction of glucose to sorbitol by ALDR1 with NADPH as the cofactor. SORD then oxidizes the sorbitol to fructose using NAD(+) cofactor.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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