Recombinant Human HS2ST1 protein, His & T7-tagged

Cat. No. HS2ST1-1591H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HS2ST1 aa. (Asn29~Asn356 (Accession # Q7LGA3)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asn29~Asn356
Description	Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. This gene encodes a member of the heparan sulfate biosynthetic enzyme family that transfers sulfate to the 2 position of the iduronic acid residue of heparan sulfate. The disruption of this gene resulted in no kidney formation in knockout embryonic mice, indicating that the absence of this enzyme may interfere with the signaling required for kidney formation. Two alternatively spliced transcript variants that encode different proteins have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

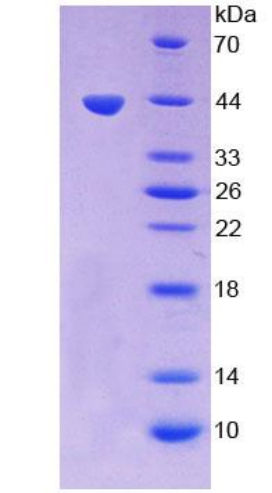
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and 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.
Isoelectric Point	8.7

GENE INFORMATION

Gene Name	HS2ST1 heparan sulfate 2-O-sulfotransferase 1 [Homo sapiens (human)]
Official Symbol	HS2ST1
Synonyms	HS2ST1; heparan sulfate 2-O-sulfotransferase 1; dJ604K5.2; 2-O-sulfotransferase; 2OST
Gene ID	9653
mRNA Refseq	NM_001134492.1
Protein Refseq	NP_001127964.1

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UniProt ID	Q7LGA3
SDS-PAGE	 15% SDS-PAGE

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