

Recombinant Human HS2ST1 Protein, GST-tagged

Cat. No. HS2ST1-5047H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HS2ST1 full-length ORF (AAH25990.1, 1 a.a. - 229 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	53.2 kDa
AA Sequence	MGLLRIMMPKQLQLLAVVAFVAMLFLENQIQKLEESRSKLERAIARHEVREIEQRHT MDGPRQDATLDEEEDMVIYNRVPKTASTSFTNIAYDLCAKNKYHVLHINTTKNNPVM SLQDQVRVFNITSWKEMKPGFYHGHVSYLDFAKFGVKKKPIYINVIRDPIERLVSY YFLRFGDDYRPLRRRKQGDKKTDFECVAEGGSDCAPEKLWLQIPFFCGHSSECW
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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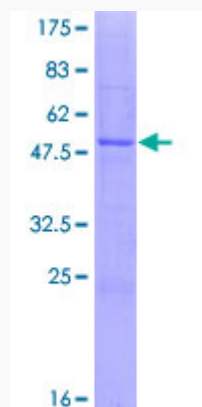
	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HS2ST1 heparan sulfate 2-O-sulfotransferase 1 [Homo sapiens]
Official Symbol	HS2ST1
Synonyms	HS2ST1; heparan sulfate 2-O-sulfotransferase 1; KIAA0448; 2OST; 2-O-sulfotransferase; dJ604K5.2; FLJ11317; MGC131986;
Gene ID	9653
mRNA Refseq	NM_001134492
Protein Refseq	NP_001127964
MIM	604844
UniProt ID	Q7LGA3

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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