

Recombinant Full Length Human HS3ST1 Protein, GST-tagged

Cat. No. HS3ST1-3693HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human HS3ST1 full-length ORF (NP_005105.1, 1 a.a. - 307 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 307 amino acids

Description Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It possesses both heparan sulfate glucosaminyl 3-O-sulfotransferase activity, anticoagulant heparan sulfate conversion activity, and is a rate limiting enzyme for synthesis of anticoagulant heparan. This enzyme is an intraluminal Golgi resident protein. [provided by RefSeq]

Molecular Mass 62.2 kDa

AA Sequence MAALLLGAVLLVAQPQLVPSRPAELGQQELLRKAGTLQDDVRDGVAPNGSAQQLP
 QTIIIGVRKGGTRALLEMLSLHPDVAAAENEVHFFDWEEHYSHGLGWYLSQMPFSW
 PHQLTVEKTPAYFTSPKVPERVYSMNPSIRLLLLLRDPSERVLSDYTQVFYNHMQKH
 KPYPSEIEFLVRDGRNLNVDYKALNRSLYHVHMQNWLRFPLRHHIIVDGDRLIRDPPF
 EIQKVERFLKLSPQINASNFYFNKTKGFYCLRDSGRDRCLHESKGRAHPQVDPKLLN
 KLHEYFHEPNKKFFELVGRTFDWH

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) 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	HS3ST1 heparan sulfate (glucosamine) 3-O-sulfotransferase 1 [Homo sapiens]
Official Symbol	HS3ST1
Synonyms	HS3ST1; heparan sulfate (glucosamine) 3-O-sulfotransferase 1; heparan sulfate glucosamine 3-O-sulfotransferase 1; 3OST1; 3-OST-1; h3-OST-1; heparan sulfate 3-O-sulfotransferase 1; heparin-glucosamine 3-O-sulfotransferase; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 1; 3OST;
Gene ID	9957
mRNA Refseq	NM_005114
Protein Refseq	NP_005105
MIM	603244
UniProt ID	O14792

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