

Recombinant Full Length Human HS3ST3A1 Protein, GST-tagged

Cat. No. HS3ST3A1-3696HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HS3ST3A1 full-length ORF (NP_006033.1, 1 a.a. - 406 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	406 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 is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. The sulfotransferase domain of this enzyme is highly similar to the same domain of heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1, and these two enzymes sulfate an identical disaccharide. This gene is widely expressed, with the most abundant expression in liver and placenta. [provided by RefSeq]
Molecular Mass	71.3 kDa
AA Sequence	MAPPGPASALSTSAEPLSRISFRKFLMLCSLLTSLYVFYCLAERCQTLSGPVVGLSG GGEEAGAPGGGVLGGPRELAVWPAAAQRKRLQLPQWRRRRPPAPRDDGEEAA WEEESPGLSGGPGGSGAGSTVAEAPPGTALLLLDEGSKQLPQAIIGVKKGGTRALL

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EFLRVHPDVRAVGAEPHFFDRSYDKGLAWYRDLMPTLDGQITMEKTPSYFVTREA
 PARISAMSKDTKLIVVVRDPVTRAISDYTQTLKRDPDIPTFESLTFKNRTAGLIDTSWS
 AIQIGIYAKHLEHWLRHFPIRQMLFVSGERLISDPAGELGRVQDFLGLKRIITDKHFYF
 NKTKGFPCLKKAEGSSRPCLGKTKGRTHPEIDREVVRRLREFYRPFNLKFYQMTG
 HDFGWDG

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

HS3ST3A1 heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1 [Homo sapiens]

Official Symbol

HS3ST3A1

Synonyms

HS3ST3A1; heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1; heparan sulfate glucosamine 3-O-sulfotransferase 3A1; 3OST3A1; 3OST3A1; 3-OST-3A; h3-OST-3A; heparan sulfate 3-O-sulfotransferase 3A1; heparin-glucosamine 3-O-sulfotransferase; heparan sulfate D-glucosaminy 3-O-sulfotransferase 3A1;

Gene ID

9955

mRNA Refseq

NM_006042

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Protein Refseq	NP_006033
MIM	604057
UniProt ID	Q9Y663

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