

Recombinant Human HS3ST3A1 Protein, GST-tagged

Cat. No. HS3ST3A1-5052H **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	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. 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	MAPPGPASALSTSAEPLSRISIFRKFLMLCSLLTSLYVFYCLAERCQTLSGPVVGLSG GGEEAGAPGGGVLGGPRELAVWPAAAQRKRLQLPQWRRRRPPAPRDDGEEAA WEEESPGLSGGPGGSGAGSTVAEAPPGLTALLLDEGSKQLPQAIIGVKKGGTRALL EFLRVHPDVRVGAEPHFFDRSYDKGLAWYRDLMPTLDGQITMEKTPSYFVTREA PARISAMSKDTKLIVVVRDPVTRAISDYTQTLSKRPDIPTFESLTFKNRTAGLIDTWS

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AIQIGIYAKHLEHWLRHFPIRQMLFVSGERLISDPAGELGRVQDFLGLKRIITDKHFYF
NKTGKGFCLKKAEGSSRPCLGKTKGRTHPEIDREVVRRRLREFYRPFNLKFYQMTG
HDFGWGDG

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-glucosaminyl 3-O-sulfotransferase 3A1;

Gene ID

9955

mRNA Refseq

NM_006042

Protein Refseq

NP_006033

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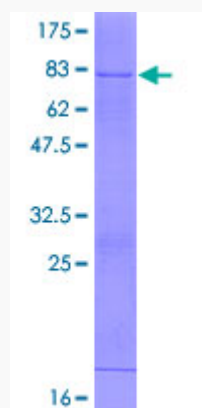
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MIM 604057

UniProt ID Q9Y663

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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