

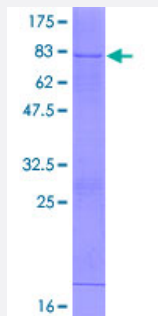
Full-Length

HS3ST3A1 (Human) Recombinant Protein (P01)

Catalog # H00009955-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human HS3ST3A1 full-length ORF (NP_006033.1, 1 a.a. - 406 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAPPGPASALSTSAEPLSRIFRKFLMLCSLLTSLVVFYCLAERCQTLSPVVGLSGGGEEAGA
PGGGVLAGGPRELAVWPAAQAQRKRLQLPQWRRRRPPAPRDDGEEAAWEEESPGLSGGPGG
SGAGSTVAEAPPGLALLLDEGSKQLPQAIIIGVKKGGTRALLEFLRVHPDVRAVGAEPHFFDRSY
DKGLAWYRDLMPRTLDDGQITMEKTPSYFVTREAPARISAMSKDTKLIVVRDPVTRAISDYQTLSK
RPDIPTFESLTFKNRTAGLIDTSWSAIQIGYAKHLEHWLRHFPIRQMLFVSGERLISDPAGELGRVQ
DFLGLKRIITDKHFYFNKTKGFPCLKKAEGSSRPCHLGKTKGRTHPEIDREVVRRLREFYRPFNLKF
YQMTGHDFGWDG

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

71.3

Interspecies Antigen Sequence

Mouse (83); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — HS3ST3A1

Entrez GeneID	9955
GeneBank Accession#	NM_006042.1
Protein Accession#	NP_006033.1
Gene Name	HS3ST3A1
Gene Alias	3OST3A1, 3OST3A1
Gene Description	heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1
Omim ID	604057
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	OTTHUMP00000064678 heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1 heparin-glucosamine 3-O-sulfotransferase

Pathway

- [Glycosaminoglycan degradation](#)
- [Heparan sulfate biosynthesis](#)