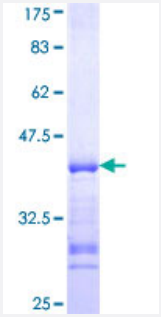
HS6ST1 (Human) Recombinant Protein (Q01)

Catalog # H00009394-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human HS6ST1 partial ORF (NP_004798, 303 a.a. - 401 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	IRPFMQYNSTRAGGVEVDEDTIRRIEELNDLDMQLYDYAKDLFQQRYQYKRQLERREQRLRSREE RLLHRAKEALPREDADEPGRVPTEDYMSHIIEKW
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.63
Interspecies Antigen Sequence	Mouse (94); Rat (94)
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 — HS6ST1

Entrez GeneID	9394
GeneBank Accession#	NM_004807
Protein Accession#	NP_004798
Gene Name	HS6ST1
Gene Alias	DKFZp547H098, FLJ25392, HS6ST, MGC116899, MGC116901
Gene Description	heparan sulfate 6-O-sulfotransferase 1
Omim ID	604846
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct hep aran sulfate fine structures that carry out multiple biological activities. This enzyme is a type II integ ral membrane protein and is responsible for 6-O-sulfation of heparan sulfate. This enzyme does n ot share significant sequence similarity with other known sulfotransferases. A pseudogene locate d on chromosome 1 has been found for this gene. [provided by RefSeq
Other Designations	heparan-sulfate 6-sulfotransferase

Pathway

- Heparan sulfate biosynthesis

Disease

- Tobacco Use Disorder