

Recombinant Human HS6ST1, GST-tagged

Cat. No. HS6ST1-13947H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HS6ST1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-54a.a.
Description	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 heparan sulfate fine structures that carry out multiple biological activities. This enzyme is a type II integral membrane protein and is responsible for 6-O-sulfation of heparan sulfate. This enzyme does not share significant sequence similarity with other known sulfotransferases. A pseudogene located on chromosome 1 has been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	HS6ST1 heparan sulfate 6-O-sulfotransferase 1 [Homo sapiens]
Official Symbol	HS6ST1
Synonyms	HS6ST1; heparan sulfate 6-O-sulfotransferase 1; HS6ST; heparan-sulfate 6-O-sulfotransferase 1; HS6ST-1; heparan-sulfate 6-sulfotransferase; FLJ25392; MGC116899; MGC116901; DKFZp547H098;
Gene ID	9394
mRNA Refseq	NM_004807
Protein Refseq	NP_004798
MIM	604846
UniProt ID	O60243
Chromosome Location	2q21
Pathway	Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; heparan sulfate biosynthesis, organism-specific biosystem; heparan sulfate biosynthesis, conserved biosystem; heparan sulfate biosynthesis (late stages), organism-specific biosystem; heparan sulfate biosynthesis (late stages), conserved biosystem;
Function	sulfotransferase activity; transferase activity;