

## 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<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 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](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Gene Name</b>	HS6ST1 heparan sulfate 6-O-sulfotransferase 1 [ Homo sapiens ]
<b>Official Symbol</b>	HS6ST1
<b>Synonyms</b>	HS6ST1; heparan sulfate 6-O-sulfotransferase 1; HS6ST; heparan-sulfate 6-O-sulfotransferase 1; HS6ST-1; heparan-sulfate 6-sulfotransferase; FLJ25392; MGC116899; MGC116901; DKFZp547H098;
<b>Gene ID</b>	9394
<b>mRNA Refseq</b>	NM_004807
<b>Protein Refseq</b>	NP_004798
<b>MIM</b>	604846
<b>UniProt ID</b>	O60243
<b>Chromosome Location</b>	2q21
<b>Pathway</b>	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;
<b>Function</b>	sulfotransferase activity; transferase activity;

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