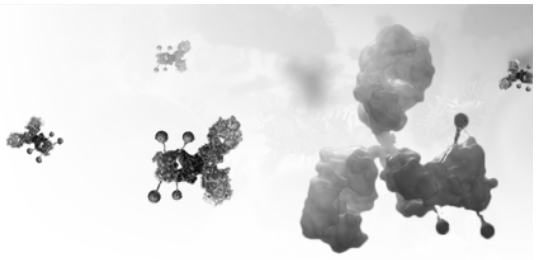

Human HS6ST1 peptide (DAG-P0574)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
Specificity	Expressed in fetal brain.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the sulfotransferase 6 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	HS6ST1 heparan sulfate 6-O-sulfotransferase 1 [Homo sapiens (human)]
Official Symbol	HS6ST1
Synonyms	HS6ST1; heparan sulfate 6-O-sulfotransferase 1; HH15; HS6ST; heparan-sulfate 6-O-sulfotransferase 1; HS6ST-1; heparan-sulfate 6-sulfotransferase;

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Entrez Gene ID	9394
mRNA Refseq	NM_004807.2
Protein Refseq	NP_004798.3
UniProt ID	O60243
Chromosome Location	2q21
Pathway	Disease, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate / heparin, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate / heparin, conserved biosystem; Glycosaminoglycan metabolism, organism-specific biosystem; HS-GAG biosynthesis, organism-specific biosystem; Heparan sulfate/heparin (HS-GAG) metabolism, organism-specific biosystem; MPS I - Hurler syndrome, organism-specific biosystem; MPS II - Hunter syndrome, organism-specific biosystem;
Function	sulfotransferase activity;

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