

## Product datasheet for PH309256

### HS3ST1 (NM\_005114) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HS3ST1 MS Standard C13 and N15-labeled recombinant protein (NP_005105)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209256
Predicted MW:	35.8 kDa
Protein Sequence:	>RC209256 protein sequence Red=Cloning site Green=Tags(s)  MAALLLGAVLLVAQPQLVPSRTAELGQQELLRKAGTLQDDVRDGVAPNGSAQQLPQTIIIGVRKGGTRAL LEMLSLHPDVAAAENEVHFFDWEHYSGLGWYLSQMPFSWPHQLTVEKTPAYFTSPKVPERVYSMNPSI RLLLILRDPSESVLSDYTQVFYNHMQKHKPYPSIEEFLVRDGRNLNVDYKALNRSLYVHMQNWLRFPLR HIHIVDGDRLIRDPFPEIQKVERFLKLSPIQINASNFYFNKTKGFYCLRDSGRDRCLHESKGRAHPQVDPK LLNKLHEYFHEPNKFFELVGRTFDWH  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_005105</a></u>
RefSeq Size:	1965
RefSeq ORF:	921
Synonyms:	3OST; 3OST1
Locus ID:	9957



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UniProt ID: [O14792](#), [A0A024R9R4](#)

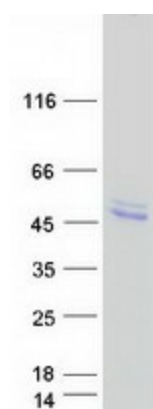
Cytogenetics: 4p15.33

**Summary:** 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 possesses both heparan sulfate glucosaminyl 3-O-sulfotransferase activity, anticoagulant heparan sulfate conversion activity, and is a rate limiting enzyme for synthesis of anticoagulant heparan. This enzyme is an intraluminal Golgi resident protein. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Protein Pathways: Heparan sulfate biosynthesis

### Product images:



Coomassie blue staining of purified HS3ST1 protein (Cat# [TP309256]). The protein was produced from HEK293T cells transfected with HS3ST1 cDNA clone (Cat# [RC209256]) using MegaTran 2.0 (Cat# [TT210002]).