

## Product datasheet for **AR51144PU-N**

### HS3ST1 / 3OST (21-307, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	HS3ST1 / 3OST (21-307, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSRPALGQ QELLRKAGTL QDDVRDGVAP NGSAAQLPQT IIIGVRKGGT RALLEMLSLH PDVAAAENEV HFFDWEEHYS HGLGWYLSQM PFSWPHQLTV EKTPAYFTSP KVPERVYSMN PSIRLLILR DPSERVLSDY TQVFYNHMQK HKPYPSEIEF LVRDGRNLVD YKALNRSLYH VHMQNWLRF PLRHHIVDG DRLIRDPFPE IQKVERFLKL SPQINASNFY FNKTKGFYCL RDSGRDRCLH ESKGRAHPQV DPKLLNLHE YFHEPNKKFF ELVGRTFDWH
Tag:	His-tag
Predicted MW:	36.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 40% glycerol, 2 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human HS3ST1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_005105</a>
Locus ID:	9957
UniProt ID:	<a href="#">O14792</a> , <a href="#">A0A024R9R4</a>
Cytogenetics:	4p15.33
Synonyms:	3OST; 3OST1



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**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:**