Recombinant Human HS3ST1, His-tagged

Cat. No. HS3ST1-13943H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HS3ST1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-307a.a.
Description	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.
Source	E.coli
Species	Human
Tag	His
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.

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

Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	HS3ST1 heparan sulfate (glucosamine) 3-O-sulfotransferase 1 [Homo sapiens]
Official Symbol	HS3ST1
Synonyms	HS3ST1; heparan sulfate (glucosamine) 3-O-sulfotransferase 1; heparan sulfate glucosamine 3-O-sulfotransferase 1; 3OST1; 3-OST-1; h3-OST-1; heparan sulfate 3-O-sulfotransferase 1; heparin-glucosamine 3-O-sulfotransferase; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 1; 3OST;
Gene ID	9957
mRNA Refseq	NM_005114
Protein Refseq	NP_005105
MIM	603244
UniProt ID	O14792
Chromosome Location	4p16
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

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

	biosystem; heparan sulfate biosynthesis (late stages), conserved biosystem;
Function	[heparan sulfate]-glucosamine 3-sulfotransferase 1 activity; sulfotransferase activity; transferase activity;

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