

Recombinant Human HS3ST1 Protein, His-tagged

Cat. No. HS3ST1-429H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human HS3ST1 (AAH57803.1) (Arg21-His307) was expressed with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	21-307 a.a.
Predicted N Terminal	His
Form	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 10 % glycerol, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant human HS3ST1 consists 303 amino acids and predicts a molecular mass of 36 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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

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