

Active Recombinant Human HS3ST1 Protein, His-tagged

Cat. No. HS3ST1-926H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HS3ST1 (Accession # O14792) Arg21-His307, fused with an N-terminal 6-His tag, was produced in Chinese Hamster Ovary cell line, CHO-derived.
Species	Human
Source	CHO
ProteinLength	Arg21-His307
Predicted N Terminal	His
Form	Supplied as a 0.2 µ filtered solution in Tris-HCl and NaCl.
Bio-activity	Measured by its ability to transfer sulfate from PAPS to heparan sulfate. The specific activity is >4 pmol/min/µg, as measured under the described conditions.
Molecular Mass	Recombinant Human HS3ST1, His-tagged has a calculated MW of 35 kDa. In SDS-PAGE migrates as 38-50 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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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

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