



# Recombinant Human Heparan sulfate glucosamine 3-O-sulfotransferase 1 (HS3ST1)

<b>Product Code</b>	CSB-MP010747HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O14792
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	RPAELGQQEL LRKAGTLQDD VRDGVAPNGS AQQLPQTIII GVRKGGTRAL LEMLSLHPDV AAAENEVHFF DWEEHYSHGL GWYLSQMPFS WPHQLTVEKT PAYFTSPKVP ERVYSMNPSI RLLILRDPS ERVLSDYTQV FYNHMQKHKP YPSIEEFLVR DGRLNVDYKA LNRSLYHVHM QNWLRFPLR HIHIVDGDRL IRDPFPEIQK VERFLKLSPQ INASNFYFNK TKGFYCLRDS GRDRCLHESK GRAHPQVDPK LLNKLHEYFH EPNKKFFELV GRTFDWH
<b>Source</b>	Mammalian cell
<b>Target Names</b>	HS3ST1
<b>Protein Names</b>	Recommended name: Heparan sulfate glucosamine 3-O-sulfotransferase 1 EC= 2.8.2.23 Alternative name(s): Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 1 Short name= 3-OST-1 Short name= Heparan sulfate 3-O-sulfotransferase
<b>Expression Region</b>	21-307
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.