



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

Product Code	CSB-EP010747HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O14792
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	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
Source	E.coli
Target Names	HS3ST1
Protein Names	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
Expression Region	21-307
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.
Reconstitution	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.
Shelf Life	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.