

Product datasheet for TP504411

Hs3st1 (NM_010474) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse heparan sulfate (glucosamine) 3-O-sulfotransferase 1 (Hs3st1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204411 protein sequence Red =Cloning site Green =Tags(s)

MTLLLLGAVLLVAQPQLVHSHPAAPGPGGLKQQELLRKVILPEDTGEGTASNGSTQQLPQTIIIGVRKGG
TRALLEMLSLHPDVAAAENEVHFFDWEHYSQGLGWYLTQMPFSSPHQLTVEKTPAYFTSPKVPERIHSM
NPTIRLLLILRDPSEVLSDYTQVLYNHLQKHKPYPIEDLLMRDGRNLNDYKALNRSLYHAHMLNWLRF
FPLGHIHIVDGDRLIRDPFPEIQKVERFLKLSQPINASNFYFNKTKGFYCLRDSGKDRCLHESKGRAHPQ
VDPKLLDKLHEYFHEPNKKFFKLVGRTFDWH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	35.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_034604
Locus ID:	15476
UniProt ID:	O35310



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RefSeq Size: 1685

Cytogenetics: 5 21.14 cM

RefSeq ORF: 936

Synonyms: 3-Ost; D5Wsu110e; Hsg3ost

Summary: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to position 3 of glucosamine residues in heparan. Catalyzes the rate limiting step in the biosynthesis of heparan sulfate (HSact). This modification is a crucial step in the biosynthesis of anticoagulant heparan sulfate as it completes the structure of the antithrombin pentasaccharide binding site.[UniProtKB/Swiss-Prot Function]