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Product datasheet for TP761983

HS2ST1 (NM_012262) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human heparan sulfate 2-O-sulfotransferase 1 (HS2ST1), transcript variant 1,Asn29-His106, with N-terminal His-ABP tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Asn29-His106)of HS2ST1
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	24.2 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, pH 8.0, 150 mM NaCl, 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.
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_036394
Locus ID:	9653
UniProt ID:	Q7LGA3
RefSeq Size:	6708
Cytogenetics:	1p22.3
RefSeq ORF:	1068
Synonyms:	dJ604K5.2; NFSRA

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Summary: Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. This gene encodes a member of the heparan sulfate biosynthetic enzyme family that transfers sulfate to the 2 position of the iduronic acid residue of heparan sulfate. The disruption of this gene resulted in no kidney formation in knockout embryonic mice, indicating that the absence of this enzyme may interfere with the signaling required for kidney formation. Two alternatively spliced transcript variants that encode different proteins have been found for this gene. [provided by RefSeq, Aug 2008]

Protein Pathways: Heparan sulfate biosynthesis

Product images: