

Recombinant Human HS6ST2 Protein, His-tagged

Cat. No. HS6ST2-2255H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HS6ST2 Protein (Lys236-Arg605) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Lys236-Arg605
Description	Heparan sulfate proteoglycans are ubiquitous components of the cell surface, extracellular matrix, and basement membranes, and interact with various ligands to influence cell growth, differentiation, adhesion, and migration. This gene encodes a member of the heparan sulfate (HS) sulfotransferase gene family, which catalyze the transfer of sulfate to HS. Different family members and isoforms are thought to synthesize heparan sulfates with tissue-specific structures and functions. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 46.9 kDa Accurate Molecular Mass: 47 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	HS6ST2 heparan sulfate 6-O-sulfotransferase 2 [Homo sapiens (human)]
Official Symbol	HS6ST2
Synonyms	HS6ST2; heparan sulfate 6-O-sulfotransferase 2; MRXSPM; heparan-sulfate 6-O-sulfotransferase 2 HS6ST-2 EC 2.8.2.-
Gene ID	90161
mRNA Refseq	NM_147175

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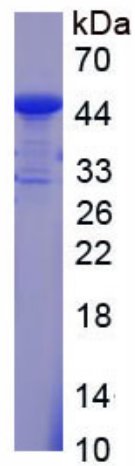
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Protein Refseq NP_671704

MIM 300545

UniProt ID Q96MM7



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