

Datasheet for ABIN7558343

HS6ST2 Protein (AA 1-612) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HS6ST2
Protein Characteristics:	AA 1-612
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HS6ST2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Hs6st2 Protein expressed in mammalian cells.
Sequence:	<p>MALPAFAARA LGPPLQPEQG APARTTCPRR HSRVEAELAA SRPGSVAASV RAGPPRGVSL</p> <p>GFNSPPLQDK PPKAFSSLAG ALRAPLFAALL PRGRRRRMHD LRRRWDLGSL CRALLTRGLA</p> <p>AVGHSLKHVL SAIFSKIFGP LASVGNMDEK SNKLLALVM LFLFAVIVLQ YVCPGTECQL</p> <p>LRLQAFSSPV PDPYRSEDES SARFVPRYNF SRGDLLRKVD FDIKGDDLIV FLHIQKTGGT</p> <p>TFGRHLVRNI QLEQPCECRV GQKKCTCHRP GKRETWLFSSR FSTGWSCGLH ADWTELTSCV</p> <p>PAVVDGKRDA RLRPSRNFHY ITILRDPVSR YLSEWRHVQR GATWKASLHV CDGRPPTSEE</p> <p>LPSCYTGDDW SGCPLKEFMD CPYNLANNRQ VRMLSDLTLV GCYNLSVMPE KQRNKVLLES</p> <p>AKSNLKHMAF FGLTEFQRKT QYLFEKTFNM NFISPFTQYN TTRASSVEIN EEIQKRIEGL</p> <p>NFLDMELYSY AKDLFLQRYQ FMRQKEHQDA RRKRQEQRKF LKGRFLQTHF QSQSQGSQS</p> <p>QSPGQNLSQN PNPNNQNLT QNLSHNLTPS SNPNSTQREN RGSQKQSGSQ GQGDSGTSNG</p> <p>TNDYIGSVET WR Sequence without tag. The proposed Purification-Tag is based on</p>

experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

HS6ST2

Alternative Name:

Hs6st2 ([HS6ST2 Products](#))

Background:

Heparan-sulfate 6-O-sulfotransferase 2 (HS6ST-2) (mHS6ST-2) (EC 2.8.2.-), FUNCTION: 6-O-sulfation enzyme which catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate (PAPS) to position 6 of the N-sulfoglucosamine residue (GlcNS) of heparan sulfate.

Molecular Weight:

69.2 kDa

UniProt:

[Q80UW0](#)

Pathways:

[Glycosaminoglycan Metabolic Process](#), [SARS-CoV-2 Protein Interactome](#)

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months