

Datasheet for ABIN7559733
HS2ST1 Protein (AA 1-356) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HS2ST1
Protein Characteristics:	AA 1-356
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HS2ST1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Hs2st1 Protein expressed in mammalien cells.
Sequence:	<p>MGLLRIMMPP KLQLLAVVAF AVAMLFLENQ IQKLEESRAK LERAIARHEV REIEQRHTMD GPRQDATLDE EEDIIIIYNR VPKTASTSFT NIAYDLCAKN RYHVLHINTT KNNPVMSLQD QVRFVKNITT WNEMKPGFYH GHISYLDFAK FGVKKKPIYI NVIRDPIERL VSYYYFLRFG DDYRPLRRR KQGDKKTFDE CVAEGGSDCA PEKLWLQIPF FCGHSSECWN VGSRWAMDQA KSNLINEYFL VGVTEELED FIMLLEAALPR FFRGATDLYR TGKKSHLRKT TEKKLPTKQT IAKLQQSDIW KMENEFYEFA LEQFQFIRAH AVREKGDGDLY ILAQNFFYEK IYPKSN Sequence without tag. The proposed Purification-Tag is based on 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.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	HS2ST1
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Alternative Name:	Hs2st1 (HS2ST1 Products)
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Background:	Heparan sulfate 2-O-sulfotransferase 1 (2-O-sulfotransferase) (2-OST) (2OST) (EC 2.8.2.-),FUNCTION: Catalyzes the transfer of sulfate to the C2-position of selected hexuronic acid residues within the maturing heparan sulfate (HS). 2-O-sulfation within HS, particularly of iduronate residues, is essential for HS to participate in a variety of high-affinity ligand-binding interactions and signaling processes. Required for metanephric development of kidney formation, suggesting that 2-O-sulfation within HS is essential for signaling between ureteric bud and metanephric mesenchyme. Mediates 2-O-sulfation of both L-iduronyl and D-glucuronyl residues. {ECO:0000269 PubMed:11331020, ECO:0000269 PubMed:11457822, ECO:0000269 PubMed:9637690}.
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Molecular Weight:	41.8 kDa
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UniProt:	Q8R3H7
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Pathways:	Glycosaminoglycan Metabolic Process , Tube Formation , SARS-CoV-2 Protein Interactome
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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.

Restrictions: For Research Use only

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
