

Datasheet for ABIN7548410

Heparan Sulfate (Glucosamine) 3-O-Sulfotransferase 6 (HS3ST6) (AA 1-342) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Heparan Sulfate (Glucosamine) 3-O-Sulfotransferase 6 (HS3ST6)
Protein Characteristics:	AA 1-342
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant HS3ST6 Protein expressed in mammalian cells.
Sequence:	MAGSGGLGGG AGGGQGAGAG QGAALRASRA PMLLVALVLG AYCLCALPGR CPPAARAPAP APAPSEPSSS VHRPGAPGLP LASGPGRRRF PQALIVGVKK GGTRALLEFL RLHPDVRLG SEPHFFDRCY ERGLAWYRSL MPRTL DGQIT MEKTPSYFVT REAPRRIHAM SPDTKLIVVV RNPVTRAI SD YAQTL SKTPG LPSFRALAFR HGLGPVDTAW SAVRIGLYAQ HLDHWLRYFP LSHFLFVSGE RLVSDPAGEV GRVQDFLGLK RVVTDKHFYF NATKGFPCLK KAQGGSRPRC LGKSKGRPHP RVPQALVRRRL QEFYRPFNRR FYQMTGQDFG WG 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	Heparan Sulfate (Glucosamine) 3-O-Sulfotransferase 6 (HS3ST6)
Alternative Name:	HS3ST6 (HS3ST6 Products)
Background:	Heparan sulfate glucosamine 3-O-sulfotransferase 6 (EC 2.8.2.23) (Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 6) (3-OST-6) (Heparan sulfate 3-O-sulfotransferase 6) (h3-OST-6),FUNCTION: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to heparan sulfate. The substrate-specific O-sulfation generates an enzyme-modified heparan sulfate which acts as a binding receptor to Herpes Simplex Virus-1 (HSV-1) and permits its entry. Unlike 3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate. {ECO:0000269 PubMed:15303968}.
Molecular Weight:	37.2 kDa
UniProt:	Q96QI5
Pathways:	Glycosaminoglycan Metabolic Process

Application Details

Application Notes: We expect the protein to work for functional studies. 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
