

Datasheet for ABIN7554127

HS3ST3A1 Protein (AA 1-406) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	HS3ST3A1
Protein Characteristics:	AA 1-406
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HS3ST3A1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat HS3ST3A1 Protein expressed in mammalien cells.
Sequence:	<p>MAPPGPASAL STSAEPLSRS IFRKFLMLC SLLTSLYVFY CLAERCQTLS GPVVGLSGGG EEAGAPGGGV LAGGPRELAV WPAAAQRKRL LQLPQWRRRR PPAPRDDGEE AAWEEESPGL SGGPGGSGAG STVAEAPPGT LALLLDEGSK QLPQAIIGV KKGGRTRALLE FLRVHPDVRA VGAEPHFFDR SYDKGLAWYR DLMPRTL DGQ ITMEKTPSYF VTREAPARIS AMSKDTKLIV VVRDPVTRAI SDYTQTL SKR PDIPTFESLT FKNRTAGLID TSWSAIQIGI YAKHLEHWLR HFPIRQMLFV SGERLISDPA GELGRVQDFL GLKRIITDKH FYFNKTKGFP CLKKAEGSSR PHCLGKTKGR THPEIDREV V RRLREFYRPF NLKFYQMTGH DFGWDG Sequence without tag.</p> <p>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:	HS3ST3A1
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Alternative Name:	HS3ST3A1 (HS3ST3A1 Products)
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Background:	<p>Heparan sulfate glucosamine 3-O-sulfotransferase 3A1 (EC 2.8.2.30) (Heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1) (3-OST-3A) (Heparan sulfate 3-O-sulfotransferase 3A1) (h3-OST-3A),FUNCTION: Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the transfer of a sulfo group to an N-unsubstituted glucosamine linked to a 2-O-sulfo iduronic acid unit on heparan sulfate (PubMed:10520990, PubMed:9988768, PubMed:10608887, PubMed:15304505). Catalyzes the O-sulfation of glucosamine in IdoUA2S-GlcNS and also in IdoUA2S-GlcNH2 (PubMed:10520990, PubMed:9988768, PubMed:15304505). 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 (PubMed:10520990). Unlike HS3ST1/3-OST-1, does not convert non-anticoagulant heparan sulfate to anticoagulant heparan sulfate (PubMed:10520990).</p> <p>{ECO:0000269 PubMed:10520990, ECO:0000269 PubMed:10608887, ECO:0000269 PubMed:15304505, ECO:0000269 PubMed:9988768}.</p>
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Molecular Weight:	44.9 kDa
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Target Details

UniProt: [Q9Y663](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

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