

Datasheet for ABIN7561813
ST6GALNAC1 Protein (AA 1-526) (His tag)



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Overview

Quantity:	1 mg
Target:	ST6GALNAC1
Protein Characteristics:	AA 1-526
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST6GALNAC1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat St6galnac1 Protein expressed in mammalien cells.
Sequence:	<p>MTRYCRGLSQ RQAFLLLTVL ALLFILLFVV KDPRAKDSRC QFIWKNDASA QENQQKAEPQ VPIMTLSPRV HNKETTSVSS KDLKKQEREA VQGEQAEGKE KRKLETIRPA PENPQSKAEP AAKTPVSEHL DKLPAPGAL STRKTPMATG AVPAKKKVQ ATKSPASSPH PTTRRRQRLK ASEFKSEPRW DFEEEYSLDM SSLQTNCAS VKIKASKSPW LQNIFLPNIT LFLDSGRFTQ SEWNRLEHFA PPFGMELNQ SLVQKVVTRF PPVRQQQLL ASLPTGYSKC ITCAVVGNGG ILNDSRVGRE IDSHDYVRL SGAVIKGYEQ DVGTRTSFYG FTAFLTSQSI LILGRRGFQH VPLGKDVRYL HFLEGTRDYE WLEAMFLNQT LAKTHLSWFR HRPQEAFRNA LDLDRYLLH PDFLRYMKNR FLRSKTLDTA HWRIYRPTTG ALLLLTALHL CDKVSAYGFI TEGHQRFSDH YYDTSWKRLI FYINHDFRLE RMVWKRLHDE GIIWLYQRPQ SDKAKN 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</p>

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:

ST6GALNAC1

Alternative Name:

St6galnac1 ([ST6GALNAC1 Products](#))

Background:

Alpha-N-acetylgalactosaminide alpha-2,6-sialyltransferase 1 (EC 2.4.3.3) (GalNAc alpha-2,6-sialyltransferase I) (ST6GalNAc I) (ST6GalNAcI) (Sialyltransferase 7A) (SIAT7-A),FUNCTION: Protein sialyltransferase specifically expressed in goblet cells that plays a key role in intestinal host-commensal homeostasis (PubMed:35303419). Conjugates sialic acid with an alpha-2-6 linkage to N-acetylgalactosamine (GalNAc) glycan chains linked to serine or threonine in glycoproteins (PubMed:10788794). Catalyzes the formation of the sialyl-Tn (S-Tn) antigen, an antigen found in intestinal goblet cells (PubMed:35303419). Protein sialylation in goblet cells is essential for mucus integrity and is required to protect the intestinal mucus against excessive bacterial proteolytic degradation (PubMed:35303419). {ECO:0000269|PubMed:10788794, ECO:0000269|PubMed:35303419}.

Molecular Weight:

60.7 kDa

Target Details

UniProt: [Q9QZ39](#)

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