

Datasheet for ABIN7556233
ST6GALNAC4 Protein (AA 1-360) (His tag)



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Overview

Quantity:	1 mg
Target:	ST6GALNAC4
Protein Characteristics:	AA 1-360
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ST6GALNAC4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant St6galnac4 Protein expressed in mammalian cells.
Sequence:	<p>MEHVVTCWRL KLLSWPVFLI WICLSLASVS LISWDQLPAF LIPSTGDSSL QTAKS RDSMK APGRLLLLTL CILTFSAVCV FLCCWACLPL CLATCLDRHL PAAPRSTVPG PLHFSGYSSV PDGKPLIREL CHSCAVVSNS GQMLGSGGLGA QIDGAECVLR MNQAPTGVGE EDVGQRTTLR VISHTSVPLL LRNYSHYFQH ARDTLYVWVG QGRHMDRVLG GRTYRLLQL TRMYPGLQVY TFTERMMAYC DQIFQDETGK NRRQSGSFLS TGWFTMIPAL ELCEEIVVYG MVSDSYCSEK SPRSVPYHYF EKGRLDECQM YRLHEQAPRS AHRFITEKAV FSRWAKKRPI VFAHPSWRAK</p> <p>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>
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:	ST6GALNAC4
Alternative Name:	St6galnac4 (ST6GALNAC4 Products)
Background:	Alpha-N-acetyl-neuraminy-2,3-beta-galactosyl-1,3-N-acetyl-galactosaminide alpha-2,6-sialyltransferase (EC 2.4.3.7) (NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc-alpha-2,6-sialyltransferase) (ST6GalNAc IV) (ST6GalNAcIV) (Sialyltransferase 7D) (SIAT7-D),FUNCTION: Transfers the sialyl group (N-acetyl-alpha-neuraminy or NeuAc) from CMP-NeuAc to the GalNAc residue on the NeuAc-alpha-2,3-Gal-beta-1,3-GalNAc sequence of glycoproteins and glycolipids forming an alpha-2,6-linkage. Produces branched type disialyl structures by transfer of a sialyl group onto a GalNAc residue inside the backbone core chains (PubMed:10207017, PubMed:10601645). Prefers O-glycans to glycoproteins or glycolipids (PubMed:10207017). {ECO:0000269 PubMed:10207017, ECO:0000269 PubMed:10601645}.
Molecular Weight:	40.8 kDa
UniProt:	Q9R2B6

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
