

Datasheet for ABIN7558594
B3GNT5 Protein (AA 1-376) (His tag)



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Overview

Quantity:	1 mg
Target:	B3GNT5
Protein Characteristics:	AA 1-376
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B3GNT5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant B3gnt5 Protein expressed in mammalian cells.
Sequence:	MRLFVSRVK RWKIFHFFVT CFILSFMVFW SPINNYIMSH MKSYSRYLV NSYGFVNNSL SLKHSSVQPH YPYLINHREK CQAQDVLLLL FIKTAPENYG RRSAIRKTWG NENYVQSQLN ANIKILFALG TPGPLK GKEL QKRLIGEDQV YKDIIQQDFI DSFHNLTSKF LLQFSWANTF CPHAKFLMTA DDDIFIHMPN LIEYLQGLEQ IGVRDFWIGH VHRGGPPVRD KSSKYYVPYE MYKWPAYPDY TAGAAYVVS R DVA AKIYEAS QTLNSSMYID DVFMGLCANK VGILPQDHVF FSGEGKIPYH PCIYEKMMTS HGHLQDLQDL WIEATHPKVK NISKGFFGQI YCRLIKIVLL CRLTYRNSYP CWA AFA 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:	B3GNT5
Alternative Name:	B3gnt5 (B3GNT5 Products)
Background:	<p>Lactosylceramide 1,3-N-acetyl-beta-D-glucosaminyltransferase (EC 2.4.1.206) (Lactotriaosylceramide synthase) (Lc(3)Cer synthase) (Lc3 synthase) (UDP-GlcNAc:beta-Gal beta-1,3-N-acetylglucosaminyltransferase 5) (BGnT-5) (Beta-1,3-Gn-T5) (Beta-1,3-N-acetylglucosaminyltransferase 5) (Beta3Gn-T5),FUNCTION: Beta-1,3-N-acetylglucosaminyltransferase that plays a key role in the synthesis of lacto- or neolacto-series carbohydrate chains on glycolipids, notably by participating in biosynthesis of HNK-1 and Lewis X carbohydrate structures. Has strong activity toward lactosylceramide (LacCer) and neolactotetraosylceramide (nLc(4)Cer, paragloboside), resulting in the synthesis of Lc(3)Cer and neolactopentaosylceramide (nLc(5)Cer), respectively. Plays a central role in regulating neolacto-series glycolipid synthesis during embryonic development. {ECO:0000269 PubMed:11384981}.</p>
Molecular Weight:	43.9 kDa
UniProt:	Q8BGY6

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
