

Datasheet for ABIN7552628
B3GALNT2 Protein (AA 1-500) (His tag)



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Overview

Quantity:	1 mg
Target:	B3GALNT2
Protein Characteristics:	AA 1-500
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B3GALNT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant B3GALNT2 Protein expressed in mammalian cells.
Sequence:	MRNWLVLCP CVLGAALHLW LRLRSPPPAC ASGAGPADQL ALFPQWKSTH YDVVVGVLSA RNNHELNRVI RSTWMRHLLQ HPTLSQRVLV KFIIGAHGCE VPVEDREDPY SCKLLNITNP VLNQEIEAFS LSEDTSGLP EDRWVSVSFR VLYPIVITSL GVFDANDVG FQRNITVKLY QAEQEEALFI ARFSPPSCGV QVNKLWYKPV EQFILPESFE GTIVWESQDL HGLVSRNLHK VTVNDGGGVL RVITAGEGAL PHEFLEGVEG VAGGFIYTIQ EGDALLHNLH SRPQRLIDHI RNLHEEDALL KEESSYDDI VFVDVVDTYR NVPAKLLNFY RWTVETTSFN LLLKTDDDCY IDLEAVFNRI VQKNLDGPNF WWGNFRLNWA VDRTGKWQEL EYPSPAYPAF ACGSGYVISK DIVKWLASNS GRLKTYQGED VSMGIWMAAI GPKRYQDSLW LCEKTCETGM LSSPQYSPWE LTELWKLKER CGDPCRCQAR 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

Product Details

isoform, please contact us regarding an individual offer.

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade:

custom-made

Target Details

Target:

B3GALNT2

Alternative Name:

B3GALNT2 ([B3GALNT2 Products](#))

Background:

UDP-GalNAc:beta-1,3-N-acetylgalactosaminyltransferase 2 (Beta-1,3-GalNAc-T2) (EC 2.4.1.313) (Beta-1,3-N-acetylgalactosaminyltransferase II),FUNCTION: Beta-1,3-N-acetylgalactosaminyltransferase that synthesizes a unique carbohydrate structure, GalNAc-beta-1-3GlcNAc, on N- and O-glycans. Has no galactose nor galactosaminyl transferase activity toward any acceptor substrate. Involved in alpha-dystroglycan (DAG1) glycosylation: acts coordinately with GTDC2/POMGnT2 to synthesize a GalNAc-beta3-GlcNAc-beta-terminus at the 4-position of protein O-mannose in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan, which is required for binding laminin G-like domain-containing extracellular proteins with high affinity. {ECO:0000269|PubMed:14724282, ECO:0000269|PubMed:23453667, ECO:0000269|PubMed:23929950}.

Target Details

Molecular Weight: 56.7 kDa

UniProt: [Q8NCR0](#)

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