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Datasheet for ABIN7560125

B4GALT3 Protein (AA 1-395) (His tag)

Overview

Quantity:	1 mg
Target:	B4GALT3
Protein Characteristics:	AA 1-395
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALT3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant B4galt3 Protein expressed in mammalian cells.
Sequence:	MLRRLLERPC TLALLVGSQ L AVMMYLSLGG FRSL S ALFGR DPGPTFDYSH PHDVYSNL SH LPAAPGAAGA PPAQALPYCP ERS PFLVGPV SVSFSPVPSL AEIVERNPRV ESGGRYR PAG CEPRSRTAI VPHRAREHHL RLLLYHLHPF LQRQQLAYGI YVIHQAGNGT FNRAKLLN V G VREALRDEEW DCLFLHDVDL LPENDHNLVY CDP RGP R HVA VAMNKFGYSL PYPQYFGGVS ALTPDQYLKM NGFPNEYWGW GGEDDDIATR VRLAGMKISR PPTSVGHYKM VKHRGDKGNE ENPHRFDLLV RTQNSWTQDG MNSLTYRLLA RELGPLY TNI TADIGTDP R G PRSPSGPRYP PGSSQAFRQE MLQRRPPARP GPLPTANHTA PRGSH 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.

Product Details

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:

B4GALT3

Alternative Name:

B4galt3 ([B4GALT3 Products](#))

Background:

Beta-1,4-galactosyltransferase 3 (Beta-1,4-GalTase 3) (Beta4Gal-T3) (b4Gal-T3) (EC 2.4.1.-) (Beta-N-acetylglucosaminyl-glycolipid beta-1,4-galactosyltransferase) (Beta-N-acetylglucosaminylglycopeptide beta-1,4-galactosyltransferase) (EC 2.4.1.38) (N-acetyllactosamine synthase) (EC 2.4.1.90) (Nal synthase) (Neolactotriaosylceramide beta-1,4-galactosyltransferase) (EC 2.4.1.275) (UDP-Gal:beta-GlcNAc beta-1,4-galactosyltransferase 3) (UDP-galactose:beta-N-acetylglucosamine beta-1,4-galactosyltransferase 3),FUNCTION: Responsible for the synthesis of complex-type N-linked oligosaccharides in many glycoproteins as well as the carbohydrate moieties of glycolipids. {ECO:0000250|UniProtKB:O60512}.

Molecular Weight:

44.1 kDa

UniProt:

[Q91YY2](#)

Pathways:

[Glycosaminoglycan Metabolic Process](#)

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
