

Datasheet for ABIN7552650  
**B4GALNT3 Protein (AA 1-998) (His tag)**



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## Overview

Quantity:	1 mg
Target:	B4GALNT3
Protein Characteristics:	AA 1-998
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALNT3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant B4GALNT3 Protein expressed in mammalian cells.
Sequence:	<p>MGSPRAARPP LLLRPVKLLR RRFRLLLALA VVSVGLWTLY LELVASAQVG GNPLNRRYGS WRELAKALAS RNIPAVDPHL QFYHPQRLSL EDHDIDQGVSNSSYLKWNK PVPWLSEFRG RANLHVFEW CGSSIQQLRR NLHFPLYPHI RTTLRKLAVS PKWTNYGLRI FGYLHPFTDG KIQFAIAADD NAEFWLSLDD QVSGQLLLAS VGKTGKEWTA PGEFGKFRSQ ISKPVLSLAS HRYFVEVLHK QNEEGTDHVE VAWRRNDPGA KFTIIDSLSL SLFTNETFLQ MDEVGHIPQT AASHVDSSNA LPRDEQPPAD MLRPDPRDTL YRVPLIPKSH LRHVLPDCPY KPSYLV DGLP LQRYQGLRFV HLSFVYPNDY TRLSHMETHN KCFYQENAYY QDRFSFQEYI KIDQPEKQGL EQPGFEENLL EESQYGEVAE ETPASNNQNA RMLEGRQTPA STLEQDATDY RLRLSRKLLA QPREGLLAPF SKRNSTASFP GRTSHIPVQQ PEKRKQKPSPEPSQDSPHS DKWPPGHPVKN LPQMRGPRPR PAGDSPRKTQ WLNQVESYIA EQRRGDRMRP QAPGRGWHGE EEVVAAGQE GQVEGEEEGE EEEEEEDMSE VFYVVPVFDV VVNWDTFSA RNLDLDFALRT DWIDLSCNTS GNLLLPEQEA LEVTRVFLKK LNQRSRGRYQ LQRIVNVEKR QDQLRGGRYL LELELLEQGG</p>

## Product Details

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RVVRLSEYVS ARGWQGIDPA GGEEVEARNL QGLVWDPHNR RRQVLNTRAQ EPKLCWPQGF  
SWSHRAVVHF VVPVKNQARW VQQFIKDMEN LFQVTGDPHF NIVITDYSSE DMDVEMALKR  
SKLRSYQYVK LSGNFERSAG LQAGIDLVKD PHSIIFLCDL HIHFAPAGVID AIRKHCVEGK  
MAFAPMVMRL HCGATPQWPE GYWEVNGFGL LGIYKSDLDR IGGMNTKEFR DRWGGEDWEL  
LDRILQAGLD VERLSLRNFF HHFHSKRGMW SRRQMKTL **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: B4GALNT3

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Alternative Name: B4GALNT3 ([B4GALNT3 Products](#))

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Background: Beta-1,4-N-acetylgalactosaminyltransferase 3 (B4GalNAcT3) (Beta4GalNAc-T3) (Beta4GalNAcT3) (EC 2.4.1.244) (Beta-1,4-N-acetylgalactosaminyltransferase III) (N-acetyl-beta-glucosaminyl-glycoprotein 4-beta-N-acetylgalactosaminyltransferase 2) (NGalNAc-

## Target Details

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T2),FUNCTION: Transfers N-acetylgalactosamine (GalNAc) from UDP-GalNAc to N-acetylglucosamine-beta-benzyl with a beta-1,4-linkage to form N,N'-diacetyllactosediamine, GalNAc-beta-1,4-GlcNAc structures in N-linked glycans and probably O-linked glycans. Mediates the N,N'-diacetyllactosediamine formation on gastric mucosa. {ECO:0000269|PubMed:16728562}.

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Molecular Weight: 115.0 kDa

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UniProt: [Q6L9W6](#)

## Application Details

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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.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months