

Datasheet for ABIN7552505  
**B3GNT3 Protein (AA 1-372) (His tag)**



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## Overview

Quantity:	1 mg
Target:	B3GNT3
Protein Characteristics:	AA 1-372
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B3GNT3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant B3GNT3 Protein expressed in mammalian cells.
Sequence:	<p>MKYLRHRRPN ATLILAIGAF TLLLFSLVLS PPTCKVQEQP PAIPEALAWP TPPTRPAPAP            CHANTSMVTH PDFATQPQHV QNFLLYRHCN HFPLLQDVPP SKCAQPVFLL LVIKSSPSNY            VRRELLRRTW GRERKVRGLQ LRLFLVGTG SNPHEARKVN RLLELEAQTH GDILQWDFHD            SFFNLTLLKQV LFLQWQETRC ANASFVLNGD DDVFAHTDNM VFYLQDHDPG RHLFVGQLIQ            NVGPIRAFWS KYVPEVVTQ NERYPPYCGG GGFLSRFTA AALRRAAHVL DIFPIDVFL            GMCLELEGLK PASHSGIRTS GVRAPSQRSL SFDPCFYRDL LLVHRFLPYE MLLMWDALNQ            PNLTCGNQTQ IY <b>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.</b></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

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- 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)
Grade:	custom-made

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## Target Details

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Target:	B3GNT3
Alternative Name:	B3GNT3 ( <a href="#">B3GNT3 Products</a> )
Background:	N-acetyllactosaminide beta-1,3-N-acetylglucosaminyltransferase 3 (EC 2.4.1.149) (Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,3-N-acetylglucosaminyltransferase) (EC 2.4.1.146) (Beta-1,3-galactosyltransferase 8) (Beta-1,3-GalTase 8) (Beta3Gal-T8) (Beta3GalT8) (b3Gal-T8) (Beta-3-Gx-T8) (Core 1 extending beta-1,3-N-acetylglucosaminyltransferase) (Core1-beta3GlcNAcT) (Transmembrane protein 3) (UDP-Gal:beta-GlcNAc beta-1,3-galactosyltransferase 8) (UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3) (BGnT-3) (Beta-1,3-Gn-T3) (Beta-1,3-N-acetylglucosaminyltransferase 3) (Beta3Gn-T3) (UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase 8),FUNCTION: Beta-1,3-N-acetylglucosaminyltransferase involved in the synthesis of poly-N-acetyllactosamine. Has activity for type 2 oligosaccharides (PubMed:11042166). Also acts as a core1-1,3-N-acetylglucosaminyltransferase (Core1-beta3GlcNAcT) to form the 6-sulfo sialyl Lewis x on extended core1 O-glycans (PubMed:11439191). {ECO:0000269 PubMed:11042166, ECO:0000269 PubMed:11439191}.
Molecular Weight:	42.5 kDa

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## Target Details

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UniProt: [Q9Y2A9](#)

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Pathways: [Glycosaminoglycan Metabolic Process](#)

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## 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

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## 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

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