

Datasheet for ABIN7552548

**B4GALNT1 Protein (AA 1-533) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	B4GALNT1
Protein Characteristics:	AA 1-533
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This B4GALNT1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant B4GALNT1 Protein expressed in mammalian cells.
Sequence:	MWLGRRALCA LVLLACASL GLLYASTRDA PGLRLPLAPW APPQSPRRPE LPDLAPEPRY AHIPVRIKEQ VVGLLAWNNC SCESSGGGLP LPFQKQVRAI DLTKAFDPAE LRAASATREQ EFQAFLRSRQ SPADQLLIAP ANSPLQYPLQ GVEVQPLRSI LVPGLSLQAA SGQEVYQVNL TASLGTWDVA GEVTGVTLTG EGQADLTLVS PGLDQLNRQL QLVTYSSRSY QTNTADTVRF STEGHEAAFT IRIRHPPNPR LYPPGSLPQG AQYNISALVT IATKTFLRYD RLRALITSIR RFYPTVTVVI ADDSDKPERV SGPYVEHYLM PFGKGWFAGR NLAVSQVTTK YVLWVDDDFV FTARTRLERL VDLERTPLD LVGGAVREIS GFATTYRQLL SVEPGAPGLG NCLRQRRGFH HELVGFPGCV VTDGVVNFLL ARTDKVREVG FDPRLSRVAH LEFFLDGLGS LRVGSCSDVV VDHASKLKLKLP WTSRDAGAET YARYRYPGSL DESQMAKHRL LFFKHRLQCM TSQ <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>

## Product Details

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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

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## Target Details

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**Target:** B4GALNT1

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**Alternative Name:** B4GALNT1 ([B4GALNT1 Products](#))

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**Background:** Beta-1,4 N-acetylgalactosaminyltransferase 1 (EC 2.4.1.92) ((N-acetylneuraminyl)-galactosylglucosylceramide) (GM2/GD2 synthase) (GalNAc-T),FUNCTION: Involved in the biosynthesis of gangliosides GM2, GD2, GT2 and GA2 from GM3, GD3, GT3 and GA3, respectively. {ECO:0000269|PubMed:1601877, ECO:0000269|PubMed:7487055, ECO:0000269|PubMed:7890749}.

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**Molecular Weight:** 58.9 kDa

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**UniProt:** [Q00973](#)

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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

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## Application Details

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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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