

Datasheet for ABIN7564344  
**GALNT12 Protein (AA 1-576) (His tag)**



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## Overview

Quantity:	1 mg
Target:	GALNT12
Protein Characteristics:	AA 1-576
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT12 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Galnt12 Protein expressed in mammalian cells.
Sequence:	MWGRAVRRRC PRGLRRGREA LLALLALAGL GALLRARSRS GTVDPGPPRT PLPGRHEPVL PRPPLPADAL GAHGEAVRLQ LQGEELRLQE ESVKQHQINI YLSDRISLHR RLPERWNPLC REVKYDYDNL PKTSVVIIFY NEAWSTLLRT VYSVLETSPD ILLEEVILVD DYSREHLKE RLANELSQLP KVRILRASRR EGLVRARLLG ASAARGEVLT FLDCHCECHE GWLEPLLQRI HEKESAVVCP VIDVIDWNTF EYLGNSGEPQ IGGFDWRLVF TWHVVPQRER QSMRSPIDVI RSPTMAGGLF AVSKRYFDYL GSYDTGMEVW GGENLEFSFR IWQCGGTLET HPCSHVGHVF PKQAPYSRSK ALANSVRAAE VWMDEFKELY YHRNPQARLE PFGDVTERKK LRAKLQCKDF KWFLDVTYPE LHPEDRPGF FGMLQNRGLR GYCLDYNPPN ENHVEGHQVL LYLCHGMGQN QFFEYTTTKE IRYNTRQPEA CITVEDGKDT LVMDLCRETV PENQEFILQE DGLTVHKHSR KCVEATEKVL DNGFAPYLRD CTNSDNQRWF FKERM <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</b>

## Product Details

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### 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.

**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

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**Target:** GALNT12

**Alternative Name:** Galnt12 ([GALNT12 Products](#))

**Background:** Polypeptide N-acetylgalactosaminyltransferase 12 (EC 2.4.1.41) (Polypeptide GalNAc transferase 12) (GalNAc-T12) (pp-GaNTase 12) (Protein-UDP acetylgalactosaminyltransferase 12) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 12),FUNCTION: Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine residue to a serine or threonine residue on the protein receptor. Has activity toward non-glycosylated peptides such as Muc5AC, Muc1a and EA2, and no detectable activity with Muc2 and Muc7. Displays enzymatic activity toward the Gal-Nac-Muc5AC glycopeptide, but no detectable activity to mono-GalNAc-glycosylated Muc1a, Muc2, Muc7 and EA2. May play an important role in the initial step of mucin-type oligosaccharide biosynthesis in digestive organs (By similarity). {ECO:0000250}.

## Target Details

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Molecular Weight: 66.5 kDa

UniProt: [Q8BGT9](#)

## 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.

Restrictions: For Research Use only

## Handling

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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