

Datasheet for ABIN7554002

## **GALNT4 Protein (AA 1-578) (His tag)**



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### Overview

Quantity:	1 mg
Target:	GALNT4
Protein Characteristics:	AA 1-578
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat GALNT4 Protein expressed in mammalian cells.
Sequence:	<p>MAVRWTWAGK SCLLLAFLTV AYIFVELLSV TFHASAGAGR ARELGSRRLS DLQKNTEDLS</p> <p>RPLYKKPPAD SRALGEWGKA SKLQLNEDEL KQQEELIERY AINIYLSMRI SLHRHIEDKR</p> <p>MYECKSQKFN YRTLPTTSVI IAFYNEAWST LLRTIHSVLE TSPAVLLKEI ILVDDLSDRV</p> <p>YLKTQLETYI SNLDRVRLIR TNKREGLVRA RLIGATFATG DVLTFDCHC ECNSGWLEPL</p> <p>LERIGRDETA VVCPVIDTID WNTFEFYMQI GEPMIGGFDW RLTFQWHSVP KQERDRRISR</p> <p>IDPIRSPTMA GGLFAVSKKY FQYLGTYDTG MEVWGGENLE LSFRVWQCGG KLEIHPCSHV</p> <p>GHVFPKRAPY ARPNFLQNTA RAAEVWMDEY KEHFYNRNPP ARKEAYGDIS ERKLLRERLR</p> <p>CKSFDWYLKN VFPNLHVPED RPGWHGAIRS RGISSECLDY NSPDNNPTGA NLSLFGCHGQ</p> <p>GGNQFFEYTS NKEIRFNSVT ELCAEVPEQK NYVGMQNCPK DGFPVPANII WHFKEDGTIF</p> <p>HPHSGLCLSA YRTPEGRPDV QMRTCDALDK NQIWSFEK <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p>

**of the protein could make another tag necessary. In case you have a special request, please contact us.**

### 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, Western Blot

### Grade:

custom-made

## Target Details

### Target:

GALNT4

### Alternative Name:

GALNT4 ([GALNT4 Products](#))

### Background:

Polypeptide N-acetylgalactosaminyltransferase 4 (EC 2.4.1.41) (Polypeptide GalNAc transferase 4) (GalNAc-T4) (pp-GaNTase 4) (Protein-UDP acetylgalactosaminyltransferase 4) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 4),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 a highest activity toward Muc7, EA2 and Muc2, with a lowest activity than GALNT2. Glycosylates 'Thr-57' of SELPLG. {ECO:0000269|PubMed:10984485, ECO:0000269|PubMed:29208955, ECO:0000269|PubMed:9804815}.

### Molecular Weight:

66.7 kDa

### UniProt:

[Q8N4A0](#)

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

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