

Datasheet for ABIN7554025

## GALNT14 Protein (AA 1-639) (His tag)



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### Overview

Quantity:	1 mg
Target:	GALNT14
Protein Characteristics:	AA 1-639
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GALNT14 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant GALNT15 Protein expressed in mammalian cells.
Sequence:	<p>MLLRKRYRHR PCRLQFLLLL LMLGCVLMMV AMLHPPHHTL HQTVTAQASK HSPEARYRLD            FGESQDWVLE AEDEGEEYSP LEGLPPFISL REDQLLVAVA LPQARRNQSQ GRRGGSYRLI            KQPRRQDKEA PKRDWGADED GEVSEEEELT PFSLDPRGLQ EALSARIPLQ RALPEVRHPL            CLQQHPQDSL PTASVILCFH DEAWSTLLRT VHSILDTVPR AFLKEIILVD DLSQQGQLKS            ALSEYVARLE GVKLLRSNKR LGAIRARMLG ATRATGDVLV FMDAHCECHP GWLEPLLSRI            AGDRSRVVSP VIDVIDWKTF QYYPKDLQR GVLDWKLDLDFH WEPLPEHVRK ALQSPISPIR            SPVVPGEVVA MDRHYFQNTG AYDSLMSLRG GENLELSFKA WLCGGSVEIL PCSRVGHIYQ            NQDSHSPLDQ EATLRNRVRI AETWLGSFKE TFYKHSPEAF SLSKAEKPDC MERLQLQRRR            GCRTFFHWFLA NVYPELYPSE PRPSFSGKLH NTGLGLCADC QAEGDILGCP MVLAPCSDSR            QQYLQHTSR KEIHFGSPQH LCFAVRQEQV ILQNCTEEGL AIHQHWDFQ ENGMIVHILS            GKCMEAVVQE NNKDLYLRPC DGKARQQWRF DQINAVDER <b>Sequence without tag. The            proposed Purification-Tag is based on experiences with the expression system, a different</b></p>

## Product Details

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**complexity of the protein could make another tag necessary. In case you have a special request, please 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: GALNT14

Alternative Name: GALNT15 ([GALNT14 Products](#))

Background: Polypeptide N-acetylgalactosaminyltransferase 15 (EC 2.4.1.41) (Polypeptide GalNAc transferase-like protein 2) (GalNAc-T-like protein 2) (pp-GaNTase-like protein 2) (Polypeptide N-acetylgalactosaminyltransferase-like protein 2) (Protein-UDP acetylgalactosaminyltransferase-like protein 2) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase-like protein 2),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. Although it displays a much weaker activity toward all substrates tested compared to GALNT2, it is able to transfer up to seven GalNAc residues to the Muc5AC peptide, suggesting that it can fill vicinal Thr/Ser residues in cooperation with other GALNT proteins. Prefers Muc1a

## Target Details

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as substrate. {ECO:0000269|PubMed:15147861}.

Molecular Weight: 73.1 kDa

UniProt: [Q8N3T1](#)

## 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