

Datasheet for ABIN7548014

UDP-N-Acetyl-alpha-D-Galactosamine:polypeptide N-Acetylgalactosaminyltransferase 18 (GALNT18) (AA 1-607) protein (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	UDP-N-Acetyl-alpha-D-Galactosamine:polypeptide N-Acetylgalactosaminyltransferase 18 (GALNT18)
Protein Characteristics:	AA 1-607
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant GALNT18 Protein expressed in mammalian cells.
Sequence:	MVCTRKT KTL VSTCVILSGM TNIICLLYVG WVTNYIASVY VRGQEPAPDK KLEEDKGDTL KIIERLDHLE NVIKQHIQEA PAKPEEAEAE PFTDSSLFAH WGQELSPEGR RVALKQFQYY GYNAYLSDRL PLDRPLPDLR PSGCRNLSFP DSLPEVSIVF IFVNEALSVL LRSIHSAMER TPPHLLKEII LVDDNSSNEE LKEKLTEYVD KVNSQKPGFI KVVHRHSKQEG LIRSRVSGWR AATAPVVALF DAHVEFNVGW AEPVLTRIKE NRKRIISPSF DNIKYDNFEI EEEYPLAAQGF DWELWCRYLN PPKAWWKLEN STAPIRSPAL IGC FIVDRQY FQEIGLLDEG MEVYGGENVE LGIRVWQCGG SVEVLPCSRI AHIERAHKPY TEDLTAHVRR NALRVAEVWM DEFKSHVYMA WNIPQEDSGI DIGDITARKA LRKQLQCKTF RWYLVSVYPE MRMYSDIAY GVLQNSLKTD LCLDQGPDTE NVPIMYICHG MTPQNVYYTS SQQIHVGILS PTVDDDDNRC LVDVNSRPRL IECSYAKAKR MKLHWQFSQG GPIQNRKSKR CLELQENSDL EFGFQLVLQK CSGQHWSITN VLRSLAS Sequence without tag. The proposed Purification-Tag is based on experiences

Product Details

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.

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

Target: UDP-N-Acetyl-alpha-D-Galactosamine:polypeptide N-Acetylgalactosaminyltransferase 18 (GALNT18)

Alternative Name: GALNT18 ([GALNT18 Products](#))

Background: Polypeptide N-acetylgalactosaminyltransferase 18 (EC 2.4.1.41) (Polypeptide GalNAc transferase 18) (GalNAc-T18) (Polypeptide GalNAc transferase-like protein 4) (GalNAc-T-like protein 4) (pp-GaNTase-like protein 4) (Polypeptide N-acetylgalactosaminyltransferase-like protein 4) (Protein-UDP acetylgalactosaminyltransferase-like protein 4) (UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase-like protein 4),FUNCTION: Catalyzes the initial reaction in O-linked oligosaccharide biosynthesis, the transfer of an N-acetyl-D-galactosamine (GalNAc) residue from UDP-GalNAc to a serine or threonine residue on the protein receptor. {ECO:0000269|PubMed:22186971}.

Target Details

Molecular Weight: 69.6 kDa

UniProt: [Q6P9A2](#)

Application Details

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

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