

Datasheet for ABIN7564976

GALNT14 Protein (AA 1-638) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	GALNT14
Protein Characteristics:	AA 1-638
Origin:	Mouse
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:	MLPRKRPRSG RSRLQFLLLF LTLGCVLMMV ILLHPPPPTL HQAVTAQASK HSPDTGYRLD FGDSQEWVLE AETEGDEYSL LDGLPSFISL QEDQLLVAVA SPRARRSQSQ GRRQGSYQFI KHRSRRWDEE ALEKDWRTEE DGESEEVLT PLGPDSGDLN KPLSARLPLR RVLPEVRHPL CLQQHPTSGL PTASVILCFH DEAWPTLLRT VHSILDTAPR ALLQEIILVD DLSQQELLKS ALSEYVARLE AVKLLRSNRR LGTIGARMLG ATRATGDVLV FMDAHCECHP GWLEPLLSRI ADDRSRVVSP VIDVIDWCTL QYSASKLHRG TLDWKLDFRW KPLGEQEQA LPSPISPVRS PVPREVVAV DRHYFQNTGA YDPLLSLGDS ENLEMSFKAW LCGGSVEILP CSRVGHIYRS QDASSRPDPE VALKNKIIIA ETWLSSFKET FYRHIPEAFT LSKVAKPDCT ERLKLQRRLG CRTFWHFLAN VPELYPSDH RPRFSGKLHN TGFGLCADCQ ADGDILGCPM TLAPCSNNRQ QQNLEHTGRK EILFGGPQRL CFDVRGGRVI LQNCTEEGPA IHQHWDFQE DGMIIHVLGS KCMEAGVQPS NKDLYLRQCD GKTSQLWRFD QIHPVDER Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity

Product Details

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: 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

as substrate (By similarity). {ECO:0000250}.

Molecular Weight: 72.3 kDa

UniProt: [Q9D2N8](#)

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