

Datasheet for ABIN7555044

POMGNT1 Protein (AA 1-660) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	POMGNT1
Protein Characteristics:	AA 1-660
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMGNT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant POMGNT1 Protein expressed in mammalian cells.
Sequence:	MDDWKPSPLI KPFGARKKRS WYLTWKYKLT NQRALRRFCQ TGAVLFLLVV VIVNIKLILD TRRAISEANE DPEPEQDYDE ALGRLEPPRR RGSPPRRVLD VEVYSSRSKV YVAVDGTTVL EDEAREQGRG IHVIVLNQAT GHVMAKRVD TYSPHEDEAM VLFLNMVAPG RVLICTVKDE GSFHLKDTAK ALLRSLGSQA GPALGWRDTW AFVGRKGGPV FGEKHSKSPA LSSWGDPVLL KTDVPLSSAE EAECHWADTE LNRRRRRFFCS KVEGYGSVCS CKDPTPIEFS PDPLPDNKVL NVPVAVIAGN RPNYLYRMLR SLLSAQGVSP QMITVFIDGY YEPMDDVVAL FGLRGIQHTP ISIKNARVSQ HYKASLTATF NLFPEAKFAV VLEEDLDIAV DFFSFLSQSI HLLLEEDDSLY CISAWNDQGY EHTAEDPALL YRVETMPGLG WVLRRSLYKE ELEPKWPTPE KLWDWDMWMMR MPEQRRGREG IIPDVRSYH FGIVGLNMNG YFHEAYFKKH KFNTVPGVQL RNVDSLKKEA YEVEVHRLLS EAEVLDHSKN PCEDSFLPDT EGHTYVAFIR MEKDDDFTTW TQLAKCLHIW DLDVRGNHRG LWRLFRKKNH FLMVGVPAASP YSVKKPPSVT PIFLEPPPKE EGAPGAPEQT Sequence without tag. The proposed Purification-Tag is based on experiences with the

Product Details

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: POMGNT1

Alternative Name: POMGNT1 ([POMGNT1 Products](#))

Background: Protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1 (POMGnT1) (EC 2.4.1.-) (UDP-GlcNAc:alpha-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I.2) (GnT I.2),FUNCTION: Participates in O-mannosyl glycosylation by catalyzing the addition of N-acetylglucosamine to O-linked mannose on glycoproteins (PubMed:11709191, PubMed:27493216, PubMed:28512129). Catalyzes the synthesis of the GlcNAc(beta1-2)Man(alpha1-O-Ser/Thr moiety on alpha-dystroglycan and other O-mannosylated proteins, providing the necessary basis for the addition of further carbohydrate moieties (PubMed:11709191, PubMed:27493216). Is specific for alpha linked terminal mannose and does not have MGAT3, MGAT4, MGAT5, MGAT7 or MGAT8 activity.

Target Details

{ECO:0000269|PubMed:11709191, ECO:0000269|PubMed:11742540,
ECO:0000269|PubMed:26908613, ECO:0000269|PubMed:27391550,
ECO:0000269|PubMed:27493216, ECO:0000269|PubMed:28512129}.

Molecular Weight: 75.3 kDa

UniProt: [Q8WZA1](#)

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