

Datasheet for ABIN7560076

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

Overview

Quantity:	1 mg
Target:	POMGNT1
Protein Characteristics:	AA 1-660
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMGNT1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Pomgnt1 Protein expressed in mammalian cells.
Sequence:	<p>MDDWKPSPLI KPFGARKKRS WYLTWKYKLT NQRALRRFCQ TGAVLFLLVV VIVNIKLILD TRRAISEANE DPEPEQDYDE ALGRLESPRR RGSSPRRVLD VEVYSSRSKV YVAVDGTTVL EDEAREQGRG IHVIVLNQAT GHVMAKRVFD TYSPHEDEAM VLFLNMVAPG RVLICTVKDE GSFHLKD TAK ALLRSLGSQA GPALGWRDTW AFVGRKGGPV LGEKHSKSPA LSSWGDPVLL KTDVPLSSAE EAECHWADTE LNRRRRRFCS KVEGYGSVCS CKDPTPIEFS PDPLPDNKVL NVPVAVIAGN RPNLYRMLR SLLSAQGVSP QMITVFIDGY YEPMDDVVAL FGLRGIQHTP ISIKNARVSQ HYKASLTATF NLFPEAKFAV VLEEDLDIAV DFFSFLSQSI HLEEDDSLY CISAWNDQGY EHTAEDPALL YRVETMPGLG WVLRSKSLYKE ELEPKWPTPE KLWDWDMWMMR MPEQRRRGREC IIPDVSRSYH FGIVGLNMNG YFHEAYFKKH KFNTVPGVQL RNVDSLKKEA YEVEIHRLLS EAEVL D HSKD PCEDSFLPDT EGHTYVAFIR METDDDFATW TQLAKCLHIW DLDVRGNHRG LWRLFRKKNH FLVVGVPASP YSVKKPPSVT PIFLEPPPKE EGAPGAAEQT</p>

Sequence without tag. The proposed Purification-Tag is based on experiences 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.

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	POMGNT1
Alternative Name:	Pomgnt1 (POMGNT1 Products)
Background:	<p>Protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1 (POMGnT1) (EC 2.4.1.-),FUNCTION: Participates in O-mannosyl glycosylation by catalyzing the addition of N-acetylglucosamine to O-linked mannose on glycoproteins. 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. Is specific for alpha linked terminal mannose. {ECO:0000250 UniProtKB:Q8WZA1}.</p>
Molecular Weight:	75.1 kDa
UniProt:	Q91X88

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