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Datasheet for ABIN1097427

POMGNT1 Protein (AA 1-660) (His tag)

Overview

Quantity:	50 µg
Target:	POMGNT1
Protein Characteristics:	AA 1-660
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This POMGNT1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human POMGNT1 (C-6His)
Sequence:	LDTRRAISEA NEDPEPEQDY DEALGRLEPP RRRGSGPRRV LDVEVYSSRS KVVVAVDGTT VLEDEAREQG RGIHVIVLNQ ATGHVMAKRV FDTYSPHEDE AMVLFLNMVA PGRVLICTVK DEGSFHLKDT AKALLRSLGS QAGPALGWRD TWAFVGRKGG PVFGEKHSKS PALSSWGDPV LLKTDVPLSS AVEAECHWAD TELNRRRRRF CSKVEGYGSV CSCKDPTPIE FSPDPLPDNK VLNVPVAVIA GNRPNYLYRM LRSLLSAQGV SPQMIVFID GYYEPMDDV ALFGLRGIQH TPISIKNARV SQHYKASLTA TFNLFPEAKF AVVLEEDLDI AVDDFFSFLSQ SIHLEEDDS LYCISAWNDQ GYEHTAEDPA LLYRVETMPG LGWVLRRSLY KEELEPKWPT PEKLWDWDMW MRMPEQRRGR ECIIPDVSRS YHFGIVGLNM NGYFHEAYFK KHKFNTVPGV QLRNVDSLKK EAYEVEVHRL LSEAEVLDHS KNPCEDSFLP DTEGHTYVAF IRMEKDDDFD TWTQLAKCLH IWDLDVRGNH RGLWRLFRKK NHFLVVGVPA SPYSVKKPPS VTIPIFLEPPP KEEGAPGAPE QTVDDHHHHHH
Characteristics:	Recombinant Human Protein O-Linked-Mannose beta-1 2-N-Acetylglucosaminyltransferase

Product Details

1/POMGNT1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Thr660) of Human POMGNT1 fused with a polyhistidine tag at the C-terminus.

Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	POMGNT1
Alternative Name:	POMGNT1 (POMGNT1 Products)
Sub Type:	Fusionprotein
Background:	<p>Protein O-Linked-Mannose beta-1 2-N-Acetylglucosaminyltransferase 1 (POMGNT1) belongs to the Glycosyltransferase 13 family. Amino acid residues between 299-311 are important for both protein expression and enzymatic activity. The minimal catalytic domain is located between positions 299-651. It is suggested that the stem domain of the soluble form is unnecessary for activity, but that some amino acids play a crucial role in the membrane-bound form. Defects in POMGNT1 are the cause of muscular dystrophy-dystroglycanopathy congenital with brain and eye anomalies type A3 (MDDGA3).</p> <p>Alternative Names: Protein O-Linked-Mannose Beta-1,2-N-Acetylglucosaminyltransferase 1, POMGnT1, UDP-GlcNAc:Alpha-D-Mannoside Beta-1,2-N-Acetylglucosaminyltransferase I.2, GnT I.2, POMGNT1, MGAT1.2</p>
Molecular Weight:	69.3 kDa
UniProt:	Q8WZA1

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	It is not recommended to reconstitute to a concentration less than 100 µg/mL. Dissolve the lyophilized protein in ddH ₂ O.

Handling

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 150 mM NaCl, 10 % Glycerol, pH 8.5.

Handling Advice: Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

Storage: -80 °C

Storage Comment: Store at < -20°C, stable for 6 months after receipt.
Please minimize freeze-thaw cycles.

Expiry Date: 6 months