

Recombinant Human POMGNT1 Protein, His-tagged

Cat. No. POMGNT1-237H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human POMGNT1 fused with His tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a type II transmembrane protein that resides in the Golgi apparatus. It participates in O-mannosyl glycosylation and is specific for alpha linked terminal mannose. Mutations in this gene may be associated with muscle-eye-brain disease and several congenital muscular dystrophies. Alternatively spliced transcript variants that encode different protein isoforms have been described.
Form	Supplied as a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.5
Molecular Mass	69.3kD
AA Sequence	LDTRRAISEANEDPEPEQDYDEALGRLEPPRRRGSGPRRVLDVEVYSSRSKVYVAV DGTTVLEDEAREQGRGIHVIVLNQATGHVMAKRVFDTYSPHEDEAMVLFLNMVAPG RVLICTVKDEGSFHLKDTAKALLRSLGSQAGPALGWRDWTAFVGRKGGPVFGEKH SKSPALSSWGDPVLLKTDVPLSSAVEAECHWADTELNRRRRRFFCSKVEGYGSVCS CKDPTPIEFSPDPLPDNKVLNVPVAVIAGNRPNYLYRMLRSLLSAQGVSPQMITVFID GYEPMDDVVALFGLRGIQHTPISIKNARVSQHYKASLTATFNLFPFAKFAVVLEEDL DIAVDFFSFLSQSIHLLEEDDSLYCISAWNDQGYEHTAEDPALLYRVETMPGLGWVL

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RRSLYKEELEPKWPTPEKLWDWDMWMMRMPEQRRGRECIIPDVSRSYHFGIVGLNM
 NGYFHEAYFKKHKFNTVPGVQLRNVDLSLKKEAYEVEVHRLLSAEVLDHSDKNPCED
 SFLPDTEGHTYVAFIRMEKDDDDFTTWTQLAKCLHIWDLDVIRGNHRGLWRLFRKKNH
 FLVVGVPASPYSVKKPPSVTPIFLEPPPKKEEGAPGAPEQTVDDHHHHHH

Endotoxin Endotoxin level is <0.1 ng/g of protein (<1EU/g).

Purity >95% as determined by SDS-PAGE and Coomassie blue staining

GENE INFORMATION

Gene Name POMGNT1 protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase [Homo sapiens]

Official Symbol POMGNT1

Synonyms POMGNT1; protein O-linked mannose beta1,2-N-acetylglucosaminyltransferase; protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1; FLJ20277; MGAT1.2; protein O mannose beta 1; 2 N acetylglucosaminyltransferase; UDP-GlcNAc:alpha-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I.2; MEB; GNTI.2; MDDGA3; MDDGB3; MDDGC3; GnT I.2; gnT-I.2; DKFZp761B182;

Gene ID 55624

mRNA Refseq NM_001243766

Protein Refseq NP_001230695

MIM 606822

UniProt ID Q8WZA1

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