

Product datasheet for **RC200176**

POMGNT1 (NM_017739) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | POMGNT1 (NM_017739) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | POMGNT1 |
| Synonyms: | gnT-I.2; GNTI.2; GnT I.2; LGMD2O; LGMDR15; MEB; MGAT1.2; RP76 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC200176 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGACTGGAAGCCCAGCCCCCTCATCAAGCCCTTTGGGGCTCGGAAGAAGCGGAGCTGGTACCTTA
 CCTGGAAGTATAAACTGACAAACCAGCGGGCCCTGCGGAGATTCTGTGACACAGGGGCCGTGCTTTTCCT
 GCTGGTACTGTCAATATCAAGTTGATCCTGGACACTCGGCGAGCCATCAGTGAAGCCAATGAA
 GACCCAGAGCCAGAGCAAGACTATGATGAGGCCCTAGGCCGCTGGAGCCCCACGGCGCAGAGGCAGTG
 GTCCCCGGCGGGTCTGGACGTAGAGGTGATTCAAGTCGCAGCAAAGTATATGTGGCAGTGGATGGCAC
 CACGGTGTGGAGGATGAGGCCCGGGAGCAGGGCCGGGGCATCCATGTCATTGTCCTCAACCAGGCCACG
 GGCCACGTGATGGCAAACGTGTGTTTGACACGTACTCACCTCATGAGGATGAGGCCATGGTGTATTCC
 TCAACATGGTAGCGCCCGCCGAGTGCTCATCTGCACTGTCAAGGATGAGGGCTCCTCCACCTCAAGGA
 CACAGCCAAGGCTCTGCTGAGGAGCCTGGGCAGCCAGGCTGGCCCTGCCCTGGGCTGGAGGGACACATGG
 GCCTTCGTGGGACGAAAAGGAGGTCTGTCTTCGGGAGAAAACATTCTAAATCACCTGCCCTCTCTTCTCT
 GGGGGGACCCAGTCTGTGAAGACAGATGTGCCATTGAGCTCAGCAGTAGAGGCAGAGTGCCACTGGGGC
 AGACACAGAGCTGAACCGTCGCGCCCGCGCTTCTGCAGCAAAGTTGAGGGCTATGGAAGTGTATGCAGC
 TGCAAGGACCCACACCCATCGAGTTCAGCCCTGACCCACTCCAGACAACAAGTCTCAATGTGCCTG
 TGGCTGTCAATGCAGGAAACCGACCAATTACCTGTACAGGATGCTGCGCTCTCTGCTTTAGCCAGGG
 GGTGTCTCTCAGATGATAACAGTTTTTCATTGACGGCTACTATGAGGAACCCATGGATGTGGTGGCACTG
 TTTGGTCTGAGGGCATCCAGCATACTCCCATCAGCATCAAGAATGCCCGCGTGTCTCAGCACTACAAGG
 CCAGCCTCACTGCCACTTCAACCTGTTCCGGAGGCCAAGTTTGTGTGTTCTGGAAGAGGACCTGGA
 CATTGCTGTGGATTTTTTCAGTTTCTGAGCCAATCCATCCACCTACTGGAGGAGGATGACAGCCTGTAC
 TGCATCTCTGCCTGGAATGACCAGGGTATGAACACACGGCTGAGGACCCAGCACTACTGTACCGTGTGG
 AGACCATGCCTGGGCTGGGCTGGGTGCTCAGGAGTCTTGTACAAGGAGGAGCTTGGCCCAAGTGGCC
 TACACCGGAAAAGCTCTGGGATTGGGACATGTGGATGCGGATGCCTGAACAACGCCGGGGCCGAGAGTGC
 ATCATCCCTGACGTTTCCCGATCTACCCTTTGGCATCGTCGGCCTCAACATGAATGGCTACTTTACAG
 AGGCTACTTCAAGAAGCACAAGTTCAACACGGTTCAGGTGTCCAGCTCAGGAATGTGGACAGTCTGAA
 GAAAGAAGCTTATGAAGTGAAGTTCACAGGCTGCTCAGTGGGCTGAGGTTCTGGACCACAGCAAGAAC
 CCTTGTGAAGACTCTTCTGCCAGACACAGAGGCCACACCTACGTGGCCTTTATTCGAATGGAGAAAG
 ATGATGACTTCACCACCTGGACCCAGCTTGCCAAGTGCCTCCATATCTGGGACCTGGATGTGCGTGGCAA
 CCATCGGGGCTGTGGAGATTGTTTCGGAAGAAGAACCCTTCTGGTGGTGGGGTCCCGGCTTCCCCC
 TACTCAGTGAAGAAGCCACCCTCAGTACCCCCAATTTCTGGAGCCACCCCAAGGAGGAGGGAGCCC
 CAGGAGCCCCAGAACAGACA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_017739.4](#)

RefSeq Size: 2753 bp

RefSeq ORF: 1983 bp

Locus ID: 55624

UniProt ID: [Q8WZA1](#)

Cytogenetics: 1p34.1

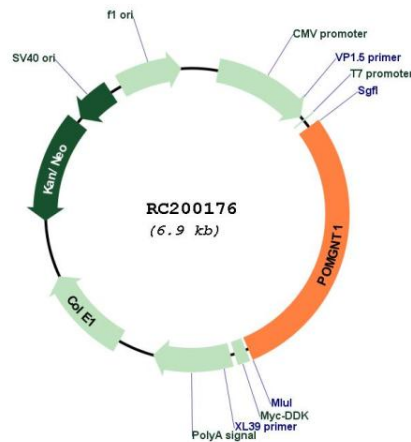
Domains: GNT-I

Protein Pathways: O-Mannosyl glycan biosynthesis

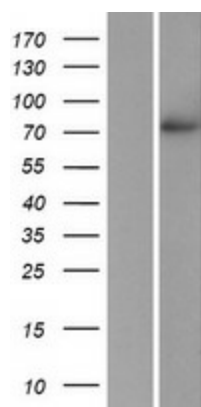
MW: 75.2 kDa

Gene Summary: 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. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RC200176



Western blot validation of overexpression lysate (Cat# [LY413590]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200176 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).