

Product datasheet for **RG206498**

POMT2 (NM_013382) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POMT2 (NM_013382) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	POMT2
Synonyms:	LGMD2N; LGMDR14; MDDGA2; MDDGB2; MDDGC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG206498 representing NM_013382
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGGCCACGGGCGGAGGCTGGCAGAGTCCGAGCTGCGTCCCCGGAGGGCCGCTGTGGCCCCC
 AGGCTGCTAGGGCCGACGGCCGGACGTGGCCGCTGAGGCTGTGGCGGAAGCCCCAAACGGCCTGCTTG
 GGGCTCACGGCGCTTCGAGGCTGTCGGCTGGTGGGCCCTGCTGGCCTTGGTGACGCTGCTGTCTTCGCC
 ACCCGCTTCCACCGCTTGGACGACGCCGCCACATCTGTTGGGATGAGACTCACTTTGAAAAATGGGAA
 GTTACTATATCAACCGTACATTTTTCTTTGATGTGCACCCGCCCTGGGAAAGATGCTGATAGGTCTTGC
 TGGCTACCTGAGTGGATATGATGGTACCTTTTGTCCAGAAGCCTGGGATAAAATGAGCATCACAGC
 TACATGGGAATGAGAGGATTCTGTGCATTCCTGGCTCCTGGCTGGTCCCCTTTCCTACCTCACTGTAC
 TGGATCTGTCCAAGTCCCTCTCGGCAGCACTGCTCACAGCTGCCCTCCTCACCTTGGACAGGGATGCCT
 CACTCTGTCCCAGTACATCCTCCTGACCCCATCTGATGTTCTTCATCATGGCTGCCATGCTGAGCATG
 GTCAGTACAACCTTGGCCGACAGGCCCTTCTGCCCCCTGGTGGTCTGGCTCAGCCTGACTGGCG
 TTAGTCTTGTGGTGCTTAGGGGTCAAGTTTGTGGCCCTTTATCATCCTTCAAGTGGGGCTGAACAC
 CATTGCAGACCTTGGTACCTGTTCCGAGACCTCAGTCTTTCATTGGTACTGTGGGAAAACACCTGACT
 GCTCGTGTCTGTGCCTCATAGTGTGCCCTGGCTCTATACAGCCACCTTGGCTGTTCACTTTCATGG
 TGCTGAGTAAAAGTGGCCCTGGTACGGTTTCTCAGTCTGCCTCCAGGCCGGCTTTCAGGGAAACA
 CCTGCACAATGCTTCCATCCCTGAACACCTGGCCTACGGCTCTGTGATCACTGTGAAGAACCTCCGGATG
 GCCATCGGCTATCTGCACTCCCACAGGCACCTACCCCGAGGGCATTGGTGGCCGTGAGCAGCAGGTCA
 CCACCTATTTGCACAAGGACTACAACAACCTGTGGATTATCAAGAAACATAACACAAAACCTCAGATCCCCT
 AGACCCTTCCCTCCAGTGGAGTTTGAAGACATGGAGACATTATTCGACTAGAACACAAAAGAACTTCC
 CGGAACCTGACAGTCACTATCATGAGGCCCATGACCCGGAAGCACTATCAGGTACCCGGCTATGGCA
 TAAATGGAACAGGGGACTCAAATGATTTCTGGCGATTGAGGTCGTAACAGAAAATTTGAAAACCGGAT
 CAAAGTGTGAGAAGTCGAATTCGCTTCCATTTGGTACAGGTTGTGTCTGGGCTCCTCGGGAAAAG
 GTTCTGCCAAGTGGGGCTGGGAGCAGTTGGAAGTACTTGCACCCCATACCTGAAAGAAACCTCAACT
 CCATCTGGAATGTGGAGGACCATATCAATCCCAAGTTGCCAAACATCAGCCTGGATGTGCTACAGCCAG
 TTTTCTGAGATCTTGTGGAATCCACATGGTCATGATCCGGGGGAACAGTGGCCTCAAACCAAGGAC
 AATGAGTTCACGTCAAACCTGGCACTGGCCTATCAACTATCAGGGCCTACGCTTCTCAGGGGTCAATG
 ACACAGATTTCCGAGTCTATCTGCTTGGCAACCCGGTGGTTTGGTGGCTGAATCTGTTGAGCATCGCCCT
 CTACCTCCTCTCAGGGAGCATATTGCTGTAGCCATGCAGAGAGGGGCACGGCTGCCAGCGGAGGTTGCA
 GGGTTGTCCCAGGTCTGCTGCGAGGAGGGCCAGGTCCTGCTCGGCTGGACACTCCATTACTTCCCGT
 TTTTCTGATGGGCCGGTCTCTACTTCCACCACTACTTCCCAGCCATGCTCTTCTCAAGCATGTTGAC
 AGGCATTCTGTGGGACACCCTCTGCGGCTCTGTGCCTGGGGCTTGGCCTCATGGCCCTGGCGAGGGGC
 ATACATGTGGCGGAATCCTGAGCCTGCTCCTGGGAATGCCTACAGCTTCTACCTTCCACCCTCTGG
 CTTACGGGATGGTTGGTCCCCTGGCCAGGACCCCAAGTCCAATGGCAGGACTAAGGTGGCTGGACTC
 ATGGGACTTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

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_013382.3](#), [NP_037514.2](#)

RefSeq Size: 4881 bp

RefSeq ORF: 2253 bp

Locus ID: 29954

UniProt ID: [Q9UKY4](#)

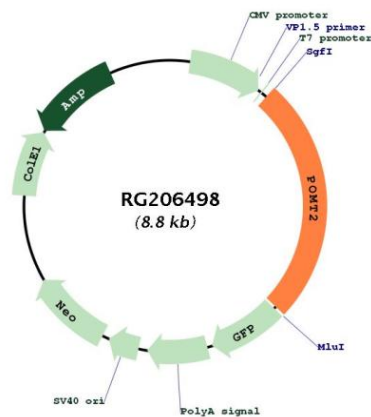
Cytogenetics: 14q24.3

Protein Families: Transmembrane

Protein Pathways: O-Mannosyl glycan biosynthesis

Gene Summary: The protein encoded by this gene is an O-mannosyltransferase that requires interaction with the product of the POMT1 gene for enzymatic function. The encoded protein is found in the membrane of the endoplasmic reticulum. Defects in this gene are a cause of Walker-Warburg syndrome (WWS).[provided by RefSeq, Oct 2008]

Product images:



Circular map for RG206498