

Product datasheet for **SC125784**

POMT2 (NM_013382) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POMT2 (NM_013382) Human Untagged Clone
Tag:	Tag Free
Symbol:	POMT2
Synonyms:	LGMD2N; LGMDR14; MDDGA2; MDDGB2; MDDGC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_013382 edited
CCCCGAGCTGCCCTCTTGTGACTCCTTGGCGGGGCGGCTGGTCAGACAAAGTGTGCCTCC
GGGCCGGAGGGCGACCCAGAGGAGGGGGAAGATGCCGCCGGCCACGGGCGGAGGCCTGGC
AGAGTCCGAGCTGCGTCCCCGGAGGGCCGCTGTGGCCCCAGGCTGCTAGGGCCGACAG
CCGGGACGTGGCCGCTGAGGCTGTGGCGGAAGCCCCAACCGCCTGCTTGGGGCTCACG
CGCTTCGAGGCTGTGCGCTGGTGGGCCCTGCTGGCCTGGTGACGCTGCTGTCCCTTCG
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GAAGCCTGGGGATAAATATGAGCATCACAGCTACATGGGAATGAGAGGATTCTGTGCATT
CCTTGGCTCCTGGCTGGTCCCCTTTGCCTACCTCACTGTACTGGATCTGTCCAAGTCCCT
CTCGGCAGCACTGCTCACAGCTGCCCTCCTCACCTTTGACACGGGATGCCTCACTCTGTC
CCAGTACATCCTCCTTGACCCCATCCTGATGTTCTTCATCATGGCTGCCATGCTGAGCAT
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CCTTCAAGTGGGCTGAACACCATTGCAGACCTTGGTACCTGTTGCGAGACCTCAGTCT
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CCTGGATGTGCTACAGCCAGTTTTCTGAGATCTTGTGGAATCCACATGGTCATGAT
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GCTATCAACTATCAGGGCTACGCTTCTCAGGGTCAATGACACAGATTTCCGAGTCTA
TCTGCTTGGCAACCCGGTGGTTTGGTGGCTGAATCTGTTGAGCATCGCCCTCTACCTCCT
CTCAGGGAGCATCATTGCTGTAGCCATGCAGAGAGGGGCACGGCTGCCAGCGGAGTTGC
AGGGTTGTCCCAGGCTCCTGCTGCGAGGAGGCGCCAGGTCCTGCTCGGCTGGACTCCA
TTACTTCCCGTTTTCTGATGGGCCGGTCTCTACTTCCACCACTACTTCCAGCCAT
GCTCTTCAAGCATGTTGACAGGCATTCTGTGGGACACCCTCCTGCGGCTCTGTGCCTG
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CCTGGAACTGCCTACAGCTTCTACCTTCTCACCCCTCTGGCTTACGGGATGGTTGGTCC
CCTGGCCAGGACCCCAAGTCCAATGGCAGGACTAAGGTGGCTGGACTCATGGGACTT
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AAGCAGTACTGGACCATCTGGCCATGAGGAAGTGCCTAAGGAGCCCAAGAATTCTGCT
GCTCACCAGGACCCAGCTCTGGGAGTGCAGCTGGAATGGAACCCAGCATTGGAGAGAGCC
GGGAGAGAGCCGAGCTCCGTCCACAGCACCACGGAGAGGACAGCGCCTCTTGGGCTGCT
CCCTCGTGACAGCGCAGGGGAGGATGGGTGCCAGAGGGTGGGAGTGGGTGCGCGTGTGT
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AGTGTCAAACTCTAAAATAGTCCAGGCTATTAATAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_013382 unedited NCGAGATAGATTTGATACGACTATATGGGCGGCCGCTATTTCAGATCTGGTACCGGTGCC TGATTCCCGGATCCCCGAGCTGCCGCTTTGTGACTCCTTGGCGGGCGGCTGGTCAG ACAAAGTGTGCCTCCGGGCCGAGGGCGACCCAGAGGAGGGGGAAGATGCCGCCGGCCAC GGGCGGAGGCTTGGCAGAGTCCGAGCTGCGTCTTTGAGGGGCCGCTGTGGCCCCAGGC TGCTAGGGCCGACGGCCGGACGTGGCCGCTGAGGCTGTGGCGCAAGCCCCAAACGGCC TGCTTGGGGCTCACGGCGCTTCGAGGCTGTCGGCTGGTGGGCCCTGCTGGCCTTGGTGAC GCTGTGCTCCTTCGCCACCCGCTTCCACCGCTTGACGAGCCGCCACATCTGTTGGGA TGAGACTCACTTTGAAAAATGGGAAGTACTATATCAACCGTACATTTTTCTTTGATGT GCACCCGCCCTGGGAAAGATGCTGATAGGTCTTGTGGCTACCTGAGTGGATATGATGG TACCTTTTGTCCAGAAGCCTGGGGATAAATATGAGCATCACAGCTACATGGGAATGAG AGGATTCTGTGCATTCTTGGCTCCTGGCTGGTCCCTTTGCCTACCTACTGTACTGGA TCTTGGCCAGTCCCTCTCGGCAGCACTGCTCAAAGCTGCCCTCCTCACCTTTGACACGGG ATGCCTTCATCTGTCCCAGTACATCCTCCTTGGCCCCATCCTGATGTTCTTTCATCATG GCTGCCCATGCTGAACCTGGGCCAAGTACAACCTATTGGCGCCGACAGGCCTTTTCTCTGC CCCCTTGGGGGGTTTTGGCTCCACCCGGCGGGCTTAATCTCGCCGGGGGCTTTAGGGG
Restriction Sites:	Please inquire
ACCN:	NM_013382
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 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]