

Product datasheet for **RC226911**

POMT1 (NM_001136113) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	POMT1 (NM_001136113) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	POMT1
Synonyms:	LGMD2K; LGMDR11; MDDGA1; MDDGB1; MDDGC1; RT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC226911 representing NM_001136113
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGGGGATTTTTGAAGCGCCCTGTAGTGGTGACGGCTGACATCAACTTGAGCCTGTGGCCCTGACTG
GGATGGGGTTACTGAGCCGGCTGTGGCGACTCACCTACCCGCGGCTGTGGTTTTTGACGAAGTATATTA
TGGGCAGTACATCTTTTTACATGAAACAAATCTTCTTGGATGACAGTGGGCCGCCATTTGGCCAC
ATGGTGTGGCCTGGGAGGTTATTTAGGAGGATTCGATGGCAATTTTTGTGGAACAGAATTGGAGCAG
AATACAGTAGCAACGTGCCTGTGTGGTCCCTGCGCCTGCTGCCAGCACTCGCGGGGGCCTGTGGTCCC
CATGGCCTACCAGATAGTGTGGAGCTCCACTTTTCTCATTGTGCCGCCATGGGAGCTGCTCTGTTGATG
CTTATCGAGAATGCTCTCATCACTCAGTCAAGGCTAATGCTTTTGAATCAGTGTAATATTTTTCAATC
TATTGGCCGTGTGTCTACCTGAAGTTCTTCACTGCCAAAAGCACAGCCCTTTTCTCTGAGCTGGTG
GTTCTGGCTAACACTGACAGGGTCTGTTCTTGTGTCAGTGGGCATCAAGTACATGGGTGTGTTACAG
TACGTGCTCGTGTGGTGTGACGCTGTCCATGCCTGGCACCTGCTGGAGACCAGACTTTGTCCAATG
TCTGTGTCTTCTGCACTTGCTCGCCGAGCAGTGGCTTTGCTGGTCAATCCCGTCTGCTGACTTACT
GTTCTTCTACGTCCACTTGATTCTAGTCTTCCGCTCTGGGCCACGACCAAATCATGTCCAGTGCCTTC
CAGGCCAGCTTAGAGGGAGGACTAGCTCGGATCACCCAGGGTACGCCACTGGAGGTGGCCTTTGGTCCC
AGGTCACTCTGAGGAACGTCTTTGGAAACCTGTGCCCTGCTGGCTTCAATCCCACCAGGACACCTACCC
CATGATATATGAGAACGGCCGAGGCAGCTCCCACCAGCAACAGGTGACCTGTTACCCCTCAAAGACGTC
AATAACTGGTGGATTGTAAGGATCCCAGGAGGCACAGCTGGTGGTGGCAGCCCTCCGAGACCTGTGA
GGCAGCGGGACATGGTGCAGTGGTCCAGGCATGACCACCCGCTCCCTGAACACGCATGATGTTGCAGC
CCCCCTGAGCCCCATTACAGGAGTCTCCTGCTACATTGACTATAACATCTCCATGCCCGCCAGAAC
CTCTGGAGACTGGAATTGTGAACAGAGGATCTGACACAGACGTCTGGAAGACCCTCTCAGAGGTCC
GCTTTGTGCACGTGAACACTTCCGCTGTCTAAAGCTGAGCGGGCTCACCTCCCTGACTGGGGGTATCG
GCAACTGGAGATCGTCGGGGAGAAGCTGTCCCGGGCTACCACGGGAGCACGGTGTGGAACGTGGAGGAG
CACCGATACGGCGCAGCCAGGAGCAGAGGGAGCGGGAACGGGAGCTGCACTCACCTGCGCAGGTGGACG
TCAGCAGGAACCTCAGCTTCATGGCGAGATTCTCGGAGCTGCAGTGGAGGATGCTGGCGCTGAGAAGTGA
TGACTCGGAACACAAGTACAGCTCCAGCCACTGGAGTGGTACCCTGGACACCAATATTGCCTACTGG
CTGACCCAGGACCAGCGCTCAGATCCACCTACTTGAAACATAGTGATCTGGGTTTCGGGCAGCCTCG
CTCTGGCCATCTACGCCCTGCTGTCTTGTGGTACCTGCTCCGACGGCGAAGAAATGTCCATGACCTCCC
TCAGGATGCCTGGCTGCGCTGGGTGCTGGCTGGGGCGCTGTGTGCCGGTGGCTGGGCAGTGAACCTC
CCGTTCTTCTGATGGAGAAGACACTTCTCTACTACCTACCTGCCCGCACTCACCTTCCAATCCTTC
TGCTCCCTGTGGTCTGCAGCACATCAGCGACCACCTGTGCAGGTCCCAGCTCCAGAGGAGCATCTTCAG
CGCCCTGGTGGTGGCCTGGTACTCCTCCGCGTCCACGTGTCCAACACGCTGCGCCCACTCACCTACGGG
GACAAGTCACTCTCGCCACATGAACTCAAGGCCCTTCGCTGGAAGACAGCTGGGACATCTTGATCCGAA
AACAC

ACGCGTACGCGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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_001136113.1](#), [NP_001129585.1](#)

RefSeq ORF: 2178 bp

Locus ID: 10585

UniProt ID: [Q9Y6A1](#)

Cytogenetics: 9q34.13

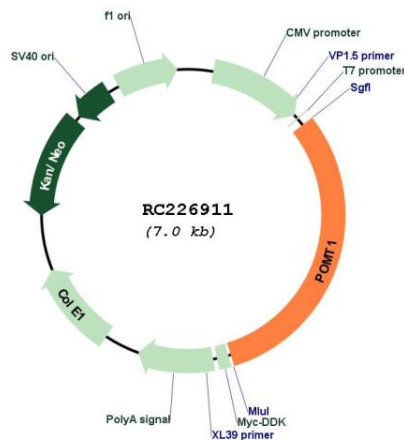
Protein Families: Transmembrane

Protein Pathways: O-Mannosyl glycan biosynthesis

MW: 82.4 kDa

Gene Summary: The protein encoded by this gene is an O-mannosyltransferase that requires interaction with the product of the POMT2 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) and limb-girdle muscular dystrophy type 2K (LGMD2K). Several transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2008]

Product images:



Circular map for RC226911