

Product datasheet for SC209061

POMT1 (NM_007171) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: POMT1 (NM_007171) Human 3' UTR Clone
Symbol: POMT1
Synonyms: LGMD2K; LGMDR11; MDDGA1; MDDGB1; MDDGC1; RT
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_007171
Insert Size: 723 bp
Insert Sequence: >SC209061 3'UTR clone of NM_007171
 The sequence shown below is from the reference sequence of NM_007171. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCTGGGACATCTTGATCCGAAAACACTAGAACAAGAGTGTGGCAAAGAACACCCGTGCTGGGGTCGGG
ATGAGGTTGAAGGCTTGGTCAATGTACGTAATGAGCAGGGTGGGCCACGCTGGGAGGACACGGGC
TGGGCTGAGCAGGGCCTCTAGTGAACACATGGGGTCTCATTGAAAAGCTCTCTGATGAGCACCTCCT
TTTGTGCAAAGTTAATTTTTCTCGACAATAAAGATATTCGGTGTCTTACCCTGAACTAAGACACAG
GGAGTATTCAGAGGCCAGCGTAGGAGTATTGACAACAAAAGCCGAGAACCCAGGGCCAGCAGTGGA
GCCTCAGCAGACCAGGGCCTGGTCTTGCTAACTGCTGCAGGGTGGAGTTTGATCTGGCAGACCCGATC
CTCCTTCAATGAACACCCAGCAACCTGAGCAAGTCCCGGCCCTGCCCTCAGCGAGCCCGGCAGGCGTCT
GGGACAGCTCAGTGTGGAGGGCCACCTGAACCACGAGCCAGGGCTGGGGCTTGCATGTCATTGTCTAT
GACAGCGTCAAGACTGGCCCTTGGCACCCTGCTGTGTGAAACCCCTCCCCTCTGAGACTCCACTGAGAC
GTGGCTGAGTGAATCTTCTCGTCAGTGGTCAAGGTGTGTCATCCATACAGCTCCATGCCTTTGTCTT
TTTTAAATGTAATTAATAAAGGAACCAACTGGC
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI
OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_007171.4</u>
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]
Locus ID:	10585
MW:	26.8