

Product datasheet for **MC217986**

Pomt2 (BC052045) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pomt2 (BC052045) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pomt2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC052045
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCCGCGCCATAGGCGGTGGCTAGCGGGCTCCGAGCTGCGTCCCCGTAGGGCCGCTGTGTGCCGC
 AGGCTGCCAGAGCCGTGAGCCGAGACGTGGTCCCCAGGCTGCAGCACGAACTTAAACGGCCTGCTTG
 GAGCTCGCGGCGCTTCCAGGCGGCAGGGTGGTGGCCACGTTGGCTGTGGTGACGCTGCTGTCTTTGCC
 ACCCGCTTTCACCGCTGGACCAGCCTGCTCACATCTGTTGGGATGAGACTCACTTTGAAAAATGGGAA
 GTTACTATATTAACCGCACCTTTTTCTTTGATGTGCATCCACCACTGGGAAAGATGCTGATCGGTCTTGC
 TGGCTACCTGAGCGGTATGATGGTACCTTTCTGTTCCAGAAGCCTGGGACAGATACGAGCACCACAGC
 TACATGGGAATGAGAGGATTCTGTGCTTCTGGGTTCTGGCTGATCCCCTTTGCCACCTCACCGTAC
 TGGATCTGTCCAAGTCTTCCAGCAGCACTGCTCACCGCTGCCCTTCTCACCTTGACACAGGATGCCT
 CACTCTATCCCAGTACATCCTCCTTGACCCCATCTGATGTTCTTCATCATGGCGGCCATGCTGAGCATG
 GTCAGTACAACCTCTGTGCTAACAGGCCCTTCTCTGCCCCCTGGTGGTTCTGGCTCAGCCTGACTGGCA
 TTAGTCTCGCTGGTGCTTAGGGGTCAAATTTGTTGGCCTCTTTATCATCGTGCAAGTGGGGTTGAACAC
 TATTTAGACCTCTGGCATCTGTTTGGAGACCTCAGCCTTTCCTGCTGACTGTGGGGAAGCACCTAACT
 GCTCGCATCCTGTGCCTCATAGTGTGCCTTTGGTGTCTATGTGACCATTTTTGCTGTTTCATGTGATGG
 TGCTGAATAAAAGTGGTCTGGTGTGCTTCTCAGTCTGCCTTTCAAGCCCGGCTTTTCAGGGAACAG
 CCTTACAATGCTTCTATCCCTGAACACCTGGCGTATGGCTCTGTAATCACTGTGAAGAATCTCCGGATG
 GCCATTTGGCTACCTGCACTCTCATAGGCACCTTACCTGAGGGCATTGGTGTCTGCCAGCAGCAGGTTA
 CCACCTATTTGCATAAGGACTACAACAACCTGTGGATTATCAAGAAGTATAATGCCAACACAGATCCCCT
 AGACCTTCATTCCCAGTGGAGTTTGTGACAGATGGAGACATCATACGACTAGAACACAAAAGAACTACT
 CGGAACCTGCACAGTCACTATCATGAGGCTCCCCTGACCCGGAAGCACTATCAGGTCAGTGGCTATGGCA
 TAAATGGGACAGGGGACTCAAATGACTTCTGGCGGATTGAAGTTGTAAATAGAAAATTTGGGAACCGGAT
 CAAGGTAAGTGAAGTGAATTCGCCTCATCCATTTGGTACAGGTTGTGCTCTGGGATCGTCAGGAAAG
 ATTCTGCCTAAGTGGGCTGGGAGCAGTTGGAAGTTACCTGACTCCGTACCTAAAAGAAACCACTAACT
 CCATTTGGAACATAGAAGAGCATATCAATCCCAAATTGCCAACATCAGCCTGGATGTGCTGCAGCCAG
 TTTTCTGAGATCTTGTGGAGTCTCACATGGTATGATCCGGGAAATAATGGCCTCAAACCAAGGAC
 AATGAGTTCACATCCAAGCCCTGGCACTGGCCTATCAATTATCAGGGCCTGCGCTTCTCAGGGGCCAATG
 ACACGGACTTCGAGTCTATCTGCTCGGAACCTGTGAGTATCCAGCTCTGAGTGCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC052045
Insert Size: 1812 bp
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:

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: [BC052045](#), [AAH52045](#)

RefSeq Size: 2800 bp

RefSeq ORF: 1811 bp

Locus ID: 217734

Cytogenetics: 12 D2

Gene Summary: This gene encodes an integral membrane protein that belongs to the dolichyl-phosphate-mannose-protein mannosyltransferase family. The encoded enzyme is found in the membrane of the endoplasmic reticulum. This protein is a component of the protein O-mannosyltransferase enzyme complex which is involved in modification of the protein alpha-dystroglycan. Mutations in the human gene are a cause of different forms of muscular dystrophy-dystroglycanopathy (MDDG), type A2 (also known as Walker-Warburg syndrome), type B2 and type C2 (also known as limb-girdle muscular dystrophy). [provided by RefSeq, Sep 2015]