

Product datasheet for **MC221892**

Pomt2 (NM_153415) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pomt2 (NM_153415) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pomt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221892 representing NM_153415
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCTACGCCCTCAGGCCCGCTCTTAGCTGCCGGGGCGGCCACCACACTTTCGCCCCGCCAGAGCCC
 GGGGCCCGCGCTCCGCGCAAACGAGGGAACACAAATCCCATGGCACCTCGAGACGCCCTTCTATGA
 CCCCTTGACGGGGCAGCGGACAAGACCCGGCGTCCCGGCCGGAGGGTGATCCTTCGGAAGGGGAGG
 ATGCCGCCGCCATAGCGGGTGGCTAGCGGGCTCCGAGCTGCGTCCCGTAGGGGCCGTGTGTCCGC
 AGGCTGCCAGAGCCGTGAGCCGAGAGCTGGTCCCCAGGCTGCAGCACGAAACTTAAACGGCCTGCTTG
 GAGCTCGCGCGCTTCCAGGCGGCAGGGTGGTGGGCCACGTTGGCTGTGGTGACGCTGCTGTCTTTGCC
 ACCCGCTTACCAGGCTGGACCAGCCTGCTCACATCTGTTGGGATGAGACTCACTTTGAAAAATGGGAA
 GTTACTATATTAACCGCACCTTTTTCTTTGATGTGCATCCACCCTGGGAAAGATGCTGATCGGTCTTGC
 TGGCTACCTGAGCGGGTATGATGGTACCTTCTGTTCCAGAAGCCTGGGACAGATACGAGCACCACAGC
 TACATGGGAATGAGAGGATTCTGTGCTTTCCTGGGTTCCCTGGCTGATCCCTTTGCCTACCTCACCGTAC
 TGGATCTGTCCAAGTCTTCCCAGCAGCACTGCTCACCGCTGCCCTTCTCACCTTGACACAGGATGCC
 CACTCTATCCCAGTACATCCTCCTTGACCCCATCCTGATGTTCTTCATCATGGCGGCCATGCTGAGCATG
 GTCAAGTACAACCTCTGTGCTAACAGGCCCTTCTCTGCCCCCTGGTGGTCTGGCTCAGCCTGACTGGCA
 TTAGTCTCGTGGTGTCTTAGGGGTCAAATTTGTTGGCCTCTTATCATCGTGCAAGTGGGGTTGAACAC
 TATTTAGACCTCTGGCCTCATAGTGTGCCTTTGGTGTCTATGTGACCATTTTGTGCTCATGTGATG
 TGCTGAATAAAAAGTGGTCTGGTGGTGGCTTCTCAGTTCTGCCCTTCAAGCCCGGCTTTCAGGAAACAG
 CCTTCACAATGCTTCTATCCCTGAACACCTGGCGTATGGCTCTGTAATCACTGTGAAGAATCTCCGGATG
 GCCATTGGCTACCTGCACTCTCATAGGCACCTCTACCCTGAGGGCATTGGTGTGCTGCCAGCAGCAGGTTA
 CCACCTATTTGCATAAGGACTACAACAACCTTGTGGATTATCAAGAAGTATAATGCCAACACAGATCCCT
 AGACCCTTCAATCCAGTGGAGTTTGTGAGACATGGAGACATCATACGACTAGAACACAAAGAACTACT
 CGGAACCTGCACAGTCACTATCATGAGGCTCCCTGACCCGGAAGCACTATCAGGCTCACTGGCTATGGCA
 TAAATGGGACAGGGGACTCAAATGACTTCTGGCGGATTGAAGTTGTAATAGAAAATTTGGGAACCGGAT
 CAAGGACTGAGAAGTGAATTCGCTCATCCATTTGGTACAGGTTGTGCTCTGGGATCGTCAGGAAAG
 ATTCTGCCTAAGTGGGCTGGGAGCAGTTGGAAGTTACCTGTACTCCGTACCTAAAAGAAACCACTAACT
 CCATTTGGAACATAGAAGAGCATATCAATCCCAAATTGCCAAACATCAGCCTGGATGTGCTGAGCCAG
 TTTTCTGAGATCTTGTGGAGTCTCATGGTATGATCCGGGGAAATATGGCCTCAAACCCAAGGAC
 AATGAGTTCACATCCAAGCCCTGGCACTGGCCTATCAATTATCAGGGCCTGCGCTTCTCAGGGGCAATG
 ACACGGACTTCCGAGTCTATCTGCTCGGCAACCCTGTGGTCTGGTGGTGAATCTGGTGAGCATTGTCT
 CTACCTCTCTCGGGGAGCACCATTGCTGTGGCTATGCAGAGAGGGATACAACCTGCCTGCAGAGTTGCAA
 GGGCTGACCAAGGTGCTGCTGCGAGGAGGTGGCCAGCTGCTCCTGGGATGGATGCTCCATTACTTCCCTT
 TCTTCTTGATGGCCGGATCCTCTACTTCCACCCTACTTCCAGCCATGCTCTTTCCAGCATGTTGAC
 AGGTATCTATGGGATACTCTCCTGCGGCTCTGTGCCTGGGCTTGGCCCTTCTCCCCTGGGTAGGAGG
 ATACATGCGGTGGGAATCCTGAGCCTGCTTCTGACAACCTGCCTACAGCTTCTACCTTCTCACCTCTGG
 CTTATGGGATGGTGGTCCCTAGCCAGGAACCTGAGAGTCCAATGGCAGGACTGAGGTGGCTGGAATC
 ATGGGACTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_153415
Insert Size: 2463 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:	<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_153415.4 , NP_700464.2
RefSeq Size:	5082 bp
RefSeq ORF:	2463 bp
Locus ID:	217734
UniProt ID:	Q8BGQ4
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]