

Product datasheet for **MC220019**

Mtmr2 (NM_023858) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmr2 (NM_023858) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtmr2
Synonyms:	6030445P13Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220019 representing NM_023858
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAAGACTCCAGCTGCGAGAGTCTCGGCGCGAGCTCCCGCGGCAAGGCTGCCAGCGAGGACT
 CACTGTCCAGTGCTTCTACTTCTCATTTCAGAGAACTCGGTGCATACCAAATCAGCTTCTGTATATCATC
 AGATTCCATTTCAACCTCTGCAGACAACCTTTCTCCTGACTTGAGGGTCTCGAGGGAGGCAACAAGTTA
 GCAGAAATGGAGGAACCGCCCTGCTTCCAGGAGAGAACATTAAGATATGGCCAAAGATGTGACTTACA
 TATGTCCATTCAGTGGTCTGTGCGAGGAACGCTGACTGTCAAGTTACAGTTATATTCAAGAGCAT
 GGAGCGGGACCCCATTTGTTCTAGATGCTTCTCTGGAGTGATAAGTAGAGTAGAAAAAATTGGTGGT
 GCATCTAGCCGAGGTGAAAACCTATGGCCTGGAACTGTGTCAAGGATATCAGGAACCTGCGATTTG
 CTCATAAACCGGAGGGGGAACAAGAAGATCCATATTTGAGAATCTAATGAAATATGCATTTCTGTGTC
 TAATGGCTTGCCCTTTTGGCTTTTGGTATAAAGAAGTATCCCGAAAATGGGTGAAAACCTGTATGAC
 CCCCTTCTAGAGTACAGAAGGCAGGGAATTCAAATGAAAGCTGGAGAATAACAAAGATAAATGAACGCT
 ATGAACCTCTGTGACACATATCCTGCCCTCTGGTTGTGCCAGCAAACATTCCTGTAGAGGAGCTAAAGAG
 AGTGGCATCCTTTAGGTCACGGGGCCGGATCCCAGTTTTATCCTGGATTCATCCTGAAAGTCAAGCCACA
 GTCACCTCGCTGCAGCCAGCCATGGTTGGAGTGAGTGGGAAGCGCAGCAAAGAAGATGAGAAGTACCTTC
 AGGCCATCATGGACTCCAATGCCAGTCTCACAAAATATTTATCTTTGATGCTCGCCAAGTGTCAATGC
 GGTTGCCAATAAGGCAAGGGGGGAGGTTATGAAAGTGAAGATGCCTATCAAAATGCAGAACTCGTTTTT
 CTGGATATTCATAATATCCATGTTATGAGAGAATCATTACGGAAGCTTAAGGAGATTGTGACCCCA
 TTGAAGAAACTCACTGGTTGTCTAACTTAGAATCTACACACTGGCTGGAACACATTAAGCTCATTCTTGC
 AGGGGCTCTTAGGATTGCTGACAAGGTCGAGTCTGGGAAGACGCTGTGGTGGTACACTGCAGTGATGGA
 TGGGATCGCACAGCTCAGCTCACTTCCCTGGCCATGCTCATGTTGGATGGATACTACCGAACCATACGAG
 GATTTGAAGTCTTGTGGAGAAAGAATGGCTGAGCTTTGGACATAGATTCCTCAACTAAGAGTTGGCCATGG
 AGATAAGAACCATGCTGACGCAGACAGGTACCTGTTTTCTTCAGTTTATTGACTGTGTCTGGCAAATG
 ACAAGACAGTTCCTACCGCATTTGAATCAATGAGTATTTCTCATTACCATCCTGGACCCTGTGACA
 GCTGTTTTATTGGAACATTCCTTTGTAACAGCGAACAGCAGAGGGGGAAAGAGAATCTTCTAAGAAGAC
 AGTGTCACTGTGGTCTATATAAACAGCCAGCTGGAAGACTTTACTAATCCTCTTTATGGAAGCTACTCC
 AATCATGTCCTTTACCCAGTAGCCAGCATGCGCCACCTAGAGCTCTGGTGGGATATTATATAAGGTGGA
 ACCCCCGGATGAAACCTCAGGAACCTATCCACAGCAGATACAAAGAAGCTTCTTGCCAAAAGAGCAGAGCT
 TCAAAGAAAAGTAGAGGAACTTCAGAGAGAAAATTTCAACCGCTCAACCTCCTCTTCAGAGAGAGCCAGC
 TCTCTGCACAGTGTGTGACTCCTGTCCAACTGTTGT**ATGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_023858
- Insert Size:** 1932 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: [NM_023858.3](#), [NP_076347.3](#)

RefSeq Size: 3036 bp

RefSeq ORF: 1932 bp

Locus ID: 77116

UniProt ID: [Q9Z2D1](#)

Cytogenetics: 9 A1

Gene Summary: Phosphatase that acts on lipids with a phosphoinositol headgroup (PubMed:12045210, PubMed:16399794). Has phosphatase activity towards phosphatidylinositol 3-phosphate and phosphatidylinositol 3,5-bisphosphate (PubMed:12045210, PubMed:16399794). Binds phosphatidylinositol 4-phosphate, phosphatidylinositol 5-phosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 3,4,5-trisphosphate (PubMed:12045210, PubMed:16399794). Stabilizes SBF2/MTMR13 at the membranes (PubMed:23297362). Specifically in peripheral nerves, stabilizes SBF2/MTMR13 protein (PubMed:23297362). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the shorter transcript and encodes a protein.