

Product datasheet for **MC217919**

Mtmr2 (BC063050) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmr2 (BC063050) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtmr2
Synonyms:	6030445P13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC063050
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAACCAGCCCTGCTTCCAGGAGAGAACATTAAGATATGGCCAAAGATGTGACTTACATATGTC
 CATTCACTGGTGTGTGCGAGGAACGCTGACTGTCACAAGTTACAGGTTATATTTCAAGAGCATGGAGCG
 GGACCCCCATTTGTTCTAGATGCTTCTCTGGAGTGATAAGTAGAGTAGAAAAAATTGGTGGTGCATCT
 AGCCGAGGTGAAAACCTATGGCCTGGAACTGTGTGCAAGGATATCAGGAACTTGCATTGCTCATA
 AACCGAGGGGCAACAAGAAGATCCATATTTGAGAATCTAATGAAATATGCATTTCTGTGCTAATGG
 CTTGCCTCTTTTGTCTTTGAGTATAAAGAAGTATCCCCGAAAATGGGTGGAACTGTATGACCCCTT
 CTAGAGTACAGAAGGCAGGGAATCCAAATGAAAGCTGGAGAATAACAAAGATAAATGAACGCTATGAAC
 TCTGTGACACATATCCTGCCCTCTGGTGTGCCAGCAAACATTCCTGATGAGGAGCTAAAGAGAGTGGC
 ATCCTTTAGGTACGGGGCCGGATCCCAGTTTTATCCTGGATTATCCTGAAAGTCAAGCCACAGTCACT
 CGCTGCAGCCAGCCCATGGTTGGAGTGAGTGGGAAGCGCAGCAAAGAAGATGAGAAGTACCTTCAGGCCA
 TCATGGACTCCAATGCCAGTCTCACAAAATATTTATCTTTGATGCTCGGCCAAGTGTCAATGCGGTTGC
 CAATAAGGCAAAGGGGGGAGGTTATGAAAGTGAAGATGCCTATCAAAATGCAGAACTCGTTTTTCTGGAT
 ATTCATAATATCCATGTTATGAGAGAATCATTACGGAAGCTTAAGGAGATTGTGTACCCACCATTGAAG
 AAACACTGCTGGTGTCTAACTTAGAATCTACACACTGGCTGGAACACATTAAGCTCATTCTTGCAGGGGC
 TCTTAGGATTGCTGACAAGGTCGAGTCTGGGAAGACGTCTGTGGTGGTACACTGCAGTGTGGATGGGAT
 CGCACAGCTCAGTCACTTCCCTGGCCATGCTCATGTTGGATGGATACTACCGAACCATACGAGGATTTG
 AAGTCCCTTGTGGAGAAAGAAATGGCTGAGCTTTGGACATAGATTCCAATCAAGATTGGCCATGGAGATAA
 GAACCATGCTGACGCAGACAGGTCACCTGTTTTCTTCAGTTTATTGACTGTGCTGGCAAATGACAAGA
 CAGTTCCTACCGCATTTGAATCAATGAGTATTTTCTCATTACCATCCTGGACCACTTGTACAGCTGTT
 TATTTGGAACATTCCTTTGTAACAGCGAACAGCAGAGGGGGAAAGAGAATCTTCTAAGAAGACAGTGTCT
 ACTGTGGTCTATATAAACAGCCAGCTGGAAGACTTTACTAATCCTCTTTATGGAAGCTACTCCAATCAT
 GTCCTTTACCCAGTAGCCAGCATGCGCCACCTAGAGCTCTGGTGGGATATTATATAAGGTGGAACCCCC
 GGATGAAACCTCAGGAACCTATCCACAGCAGATACAAAGAAGTCTTGGCCAAAAGAGCAGAGCTTCAAAG
 AAAAGTAGAGGAACTTCAAGAGAAAATTTCCAACCGCTCAACCTCCTCTCAGAGAGAGCCAGCTCTCT
 GCACAGTGTGACTCCTGTCCAACTGTTGTATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC063050

Insert Size: 1716 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:	<u>BC063050</u> , <u>AAH63050</u>
RefSeq Size:	3125 bp
RefSeq ORF:	1715 bp
Locus ID:	77116
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]