OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC220223

Mtmr1 (NM_016985) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmr1 (NM_016985) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtmr1
Synonyms:	AW049210
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC220223 representing NM_016985
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACAGGCCAGTGGCGGCGGCGGCCGCCGCATCTGCGGCGAGCTGCGAGGGCGCTGGGGGCCCGGGGC
CAGGGCCGGGCGCTAGCTGGAGACCCTCTCGGGTTGCGGGGGGCGCCTCGGCCAGCTCCCGGCACCCCAG
CATTGAGACCCTTGACAGTCCTACAGGGTCACATGTTGAATGGTGTAAACAGCTTATAGCTGCTACAATT
TCTAGTCAGATTTCAGGTTCAGTGACATCAGAAAATGTGTCAAGAGATTACAAGGCTCTAAGGGATGGAA
ATAAACTGGCACAGATGGAAGAAGCTCCACTTTTCCCAGGAGAATCAATTAAGGCCATTGTGAAAGACGT
CATTTATATCTGTCCATTTATGGGAGCAGTGAGTGGGACCCTGACAGTGACGGACTTTAAAATGTACTTC
AAAAATGTAGAAAGGGACCCACATTTCGTCCTTGATGTTCCTCTTGGAGTGATCAGCAGAGTGGAGAAGA
TTGGTGCACAGAGCCATGGGGATAATTCTTGTGGTATAGAGATTGTGTGCAAGGATATGAGGAACCTGAG
ACTTGCATATAAGCAGGAAGAACAGCGAAAACTTGGGATATTTGAAAACCTCAACAAGCATGCTTTTCCT
CTTTCCAATGGGCAGGTGCTATTTGCATTCAACTATAAAGAAAAGTTTCCAGTTAATGGCTGGAAAGTTT
ATGATCCAGTGTCTGAATATAAGAGACAGGGCTTGCCAAATGAGAGTTGGAAAATATCAAAAATAAACAG
TAATTATGAGTTCTGTGATACCTATCCTGCCATCATTGTTGTGCCAACTAGTGTGAAAGATGATGACCTT
TCAAAAGTGGCAGCCTTTCGAGCGAAAGGCAGAGTCCCTGTGTTGTCATGGATTCACCCAGAAAGTCAGG
CAACAATTACACGTTGCAGCCAGCCATTAGTGGGTCCCAATGATAAACGCTGCAAAGAAGATGAGAAATA
CCTGCAGACAATAATGGATGCTAATGCACAGTCACATAAACTTACTATCTTTGATGCCAGACAAAACAGC
GTTGCTGATACCAACAAGGCAAAGGGTGGTGGATATGAAAATGAAAGTGCTTACCCTAATGCCGAACTCA
TATTCTTGGAGATCCACAATATTCATGTGATGAGGGAGTCACTTCGTAAATTAAAGGAGATTGTGTATCC
TTCAATTGATGAGTCACATTGGCTATCCAATGTGGATGGGACACATTGGCTGGAATATATACGGGTTCTC
CTTGCTGGGGCAGTGAGAATTGCTGATAAAATAGAATCTGGGAAAACTTCCGTGGTCATCCACTGCAGTG
ATGGGTGGGATCGAACATCCCAGCTCACATCTCTGGCAATGCTGATGTTAGACAGTTATTACCGGACCAT
TAAAGGATTTGAGGCTCTCATAGAAAAGGAGTGGATAAGCTTTGGACACAGGTTTGCCCTGAGAGTGGGC
CATGGTGATGACAACCATGCAGATGCTGACCGATCACCTATATTTCTTCAGTTTATTGATTGTGTTTGGC
AGATGACAAGACAGTTCCCTTCAGCATTTGAGTTTAATGAATTATTCTTGATTACAATTTTGGATCACCT
CTATAGTTGTCTTTTTGGGACCTTTTTGTGCAACTGTGAACAACAGCGAATCAAAGAGGATGTATATACA
AATACTATATCTTTATGGTCTTATATCAATAGCCAACTAGATGAATTCTCAAATCCCTTCTTTGTGAATT
ATGAGAACCATGTGTTATATCCTGTTGCTAGTATGAGTCACTTGGAATTGTGGGTAAATTATTATGTACG
GTGGAATCCACGGATGAGACCACAGATGCCAATTCATCAGAATCTCAAGGAACTGCTGGCTATCAAGGCT
GAGCTGCAGAAGCGTGTGGAGGACTTGCAGCGGGAGATGGCCACCCGGACCATCTCATCTTCCTCTGAGA
GGGGCTCCTCACCTACCCACTCAGCTACTCCTGTACACACCTCAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_016985

Insert Size: 2010 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_016985.2, NP_058681.1
RefSeq Size:	4652 bp
RefSeq ORF:	2010 bp
Locus ID:	53332
UniProt ID:	Q9Z2C4
Cytogenetics:	X A7.3
Gene Summary:	Lipid phosphatase that has high specificity for phosphatidylinositol 3-phosphate and has no activity with phosphatidylinositol 4-phosphate, phosphatidylinositol (4,5)-bisphosphate and phosphatidylinositol (3,4,5)-trisphosphate (PubMed:12217958). Activity with phosphatidylinositol (3,5)-bisphosphate is controversial; it has been shown for the human ortholog (By similarity). In contrast, PubMed:12217958 find no activity with this substrate. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) lacks three in-frame exons compared to variant 4. The resulting isoform (A) has the same N- and C-termini but is shorter compared to isoform D.