

Product datasheet for **MC220888**

Mtmr4 (BC058364) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmr4 (BC058364) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtmr4
Synonyms:	AA596759; ESTM44; FYVE-DSP2; mKIAA0647; ZFYVE11
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC058364
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTGAGGAGGGCCCCCAGCCTGGAGTACATCCAAGCCAAGGATCTGTTCCCCCAGGAAGTGG
 TGAAGGAGGAGGAGAATCTTCAGGTACCCTTCATATTGCTGCAGGGTGAAGGAGTGAATTCCTGGGCCG
 GGCAACCGATGCCCTCATTGCCATCTCTAACTACCGGCTGCACATCAAGTTCAAAGACTCTGTCATCAAC
 GTGCCCTCCGGATGATTGACAGTGTGAAAGCCGTGATATGTTTCAGTTGCACATTGCCTGCAAGGACT
 CCAAAGTGGTGAAGTGCCACTTCTACTTTCAAGCAGTGCCAAGAGTGGCTCTCAAGGCTAAGCCGGGC
 CACAGCGAGACCTGCCAAGCCCGAGGATCTCTTTGCCTTTGCCTACCATGCGTGGTGCCTGGGGCTGACC
 GAGGAGGACCAGCATACCCACCTGTGCCAGCCAGGAGAGCACATCCGATGTCGACAGGAGGCAGAGCTCG
 CAAGGATGGGTTTTGACCTGCAGAAATGTCTGGAGAGTCTCGCATATCAACAGCAATACAAGCTGTGCC
 TAGTTACCCCGAAGCTGCTGGTTCCTGTGTGGATCACAGATAAAGAGCTGGAGAAGCTGGCTTCTTTTC
 CGCTCTTGAAACGCATCCCTGTTGTGGTATACAGACACCTGCGCAACGGGGCTGCCATTGCTCGCTGCA
 GCCAGCCTGAGATCAGCTGGTGGGGCTGGCGCAATGCTGATGATGAATACCTCGTACGTCATTGCCAA
 AGCCTGCGCCTTAGACCCAGGGACAAGGGCCAGTGGGGCTCCCTCAGCACTGGGACTAATGATGCCAGT
 GAGGCATGTGACACAGATTTTCGATTTCTCTGACTGCATGCTCTGGGGTGGAGAGCACAGCAGCCCCAC
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 AGAGTACCAAATGGCTGCAGCACTGTGTCAGTGTCTAAAAGCAGCTGTGTTGGTAGCCAATACGGTAGA
 TCGGGAAGGCCCGCCTGTGCTGGTACACTGCTCTGACGGCTGGGACCGTACACCACAGATTGTAGCCCTG
 GCCAAAATACTACTGGATCCATATTACAGGACTCTGGAGGGCTTCCAAGTGTAGTGGAGTCTGATTGGC
 TGGATTTTCGACACAAGTTGGAGACCGCTGTGGCCATCAGGAAAATGCAGAGGACCAAAAATGAACAGTG
 TCCTGTGTTCTCCAGTGGCTTATTCCGTGCATCAGCTGCTAAGCAGTTCCTTCGCTGTTTGGAGTTC
 AATGAAGCATTCTGGTCTGCATCCTGTGTGTCATGTCCGGCCCTGCACCTCTGGACAGCTGTTTATC
 TGCCTGCGTCATCTCCATGCACCCTGGAGAGGAAAATATGGATCTTACCTTTCCCGAGTGGCTCAGAG
 CCAGGAATTTCTGGTCTTCTCTGGACAGTTACCTAAAACCAGATCCATGGATGATCTGCTCTCTGCC
 TGTGATACAAGCAGCCCCCTCACTCGTACTTCCAGCGACCCTAACCTGAATAACCACTCTCAGGAGGTCA
 GAGGCAGCCTGGAGCCCTGGCACAGCAGTCTGAAGGAGCAGAGACAGTCATAGACTCTGGAGTTGGAAAG
 CCCACAGCTGACTGTGGGAGAAATGGGCCCTTCTCCTCCTCTGCCAGTAGCCAGAAAGAGTACTTGAGC
 AATAAACCTTTCAAGGGTCATAAAAGTTGTTCTCTTAGTTATAAGTTGCTTAATACTTCTGTGTCCTGGG
 AAATGAAGAGCAACACCTCTGACATCAAGGTCCTGGAAGAAACTGAAGCACTGGCCCCGGACCCTCAGC
 CCAAGAGGAGCAGGGTAGGACTTCTGATGGCTTAGGGAAGCCACCTGAACAGTTTCTAGAGAAGGAAGCT
 GTCAGCTCACTCTGCAGTGTCTTAGCAAGTGTGGTGGAGCCTGTGATTTCTGAGCCTCCCCAGGACC
 CCCTAACAGGTAAGTCCCCAACAGCCCCACCTAGACTCCATGCAGATCTCGCCCTCAAGGTGCACTCCAGA
 TCACAGTCAGGGCAGCCTTTGCAACCCACCAAGTGTGGCCAGCCAACTCCAGAGCCAAATACTGACCTC
 CTCAGCCAAGATCCCCCTGGTTCTACGGCAAGTATCTCCACCAGGAACAGCCTAGCTCTGTGCCGGATC
 TGATCTACAAGAAGGAGGATGCTGGCAAGAGAGGAAGTAAAGTGGGAGCTGTTGGAAAATCCTCGCTT
 TGGAAAATGCCATTGGAGTTGGCCGAAAGCCAATTTCTCAGAGCCAGATCAGTGAAGTCTCATTTTTTA
 GGGTCAAAGTGGGACAGCTTCCAAGGGATGATGACTTCAATCCCAAGCGGAGAGACCCTCCTCGGCGCC
 TGCTTGCTTATGGCTGTTGTAGCAAGAGGCCGAGCAATAAGCATATTGAGCTGCAGGGCCCTGCCTTGG
 GGGCCAGTGGGCTCAGAGAGAAGGGATGAAATCTCCTGTCTGTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: BC058364

Insert Size:	2709 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:	BC058364 , AAH58364
RefSeq Size:	4452 bp
RefSeq ORF:	2708 bp
Locus ID:	170749
Cytogenetics:	11 C
Gene Summary:	Dephosphorylates proteins phosphorylated on Ser, Thr, and Tyr residues and low molecular weight phosphatase substrate para-nitrophenylphosphate. Phosphorylates phosphatidylinositol 3,4,5-trisphosphate (PIP3) (By similarity).[UniProtKB/Swiss-Prot Function]