

Product datasheet for **MC223894**

Mtmr4 (NM_133215) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mtmr4 (NM_133215) 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
Fully Sequenced ORF: >MC223894 representing NM_133215
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGAGGAGGGCCCCCAGCCTGGAGTACATCCAAGCCAAGGATCTGTTCCCCCAAGGAACTGG
 TGAAGGAGGAGGAGAATCTTCAGGTACCCTTACAGTGTGCAGGGTGAAGGAGTGAATCCTGGGCC
 GGCAACCGATGCCCTCATTGCCATCTCTAACTACCGGCTGCACATCAAGTCAAAGACTCTGTCATCAAC
 GTGCCCTCCGGATGATTGACAGTGTGAAAGCCGTGATATGTTTCAGTTGCACATTGCCTGCAAGGACT
 CCAAAGTGGTGAGGTGCCACTTCTACTTTCAAGCAGTGCCAAGAGTGGCTCTCAAGGCTAAGCCGGGC
 CACAGCGAGACCTGCCAAGCCCGAGGATCTCTTTGCCTTTGCCTACCATGCGTGGTGCCTGGGGTGAAC
 GAGGAGGACCAGCATACCCACCTGTGCCAGCCAGGAGAGCACATCCGATGTGCACAGGAGGCAGAGCTCG
 CAAGGATGGGTTTTGACCTGCAGAATGTCTGGAGAGTCTCGCATATCAACAGCAATTACAAGCTGTGCC
 TAGTTACCCCAAGAGCTGCTGGTTCCTGTGTGGATCACAGATAAAGAGCTGGAGAACGTGGCTTCTTTT
 CGCTCTTGAAACGCATCCCTGTTGTGGTATACAGACACCTGCACAACGGGGTGCATTGCTCGCTGCA
 GCCAGCTGAGATCAGCTGGTGGGGTGGCGCAATGCTGATGATGAATACCTCGTACGTCATTGCCAA
 AGCCTGCGCCTTAGACCCAGGGACAAGGGCCAGTGGGGGCTCCCTCAGCACTGGGACTAATGATCCAGT
 GAGGCATGTGACACAGATTTGATTCTCTGACTGCATGCTCTGGGGTGGAGAGCACAGCAGCCCCAC
 AGAAACTGCTGATCCTGGATGCACGGTCTACACAGCAGCCGTGGCTAACCAGGGCAAGGGTGGAGGCTG
 TGAATGTGAAGAATACTATCCGAAGTGTGAGGTCTTGTATGGGAATGGCAACATCCACGCCATCCGG
 AATAGCTTCCAGTACCTCCGGGCTGTGTGAGCCAGATGCCAGATCCAGCAACTGGTTGTCGGCACTGG
 AGAGTACCAAATGGTGCAGCACTGTGCTAGTGTGCTAAAAGCAGCTGTGTTGGTAGCCAATACGGTAGA
 TCGGGAAGGCCCGCTGTGCTGGTACACTGCTCTGACGGCTGGACCGTACACCACAGATTGTAGCCCTG
 GCCAAAATACTACTGGATCCATATTACAGGACTCTGGAGGGCTTCCAAGTGTAGTGGAGTCTGATTGGC
 TGGATTTTCGGACACAAGTTTGGAGACCGCTGTGGCCATCAGGAAAATGCAGAGGACAAAATGAACAGTG
 TCTGTGTTCTCCAGTGGCTTATTCCGTGCATCAGCTGCTTAAGCAGTTCCTGCTGTTTGTAGTTC
 AATGAAGCATTTCTGGTAAAGCTGGTGCAGCACATACTCGTGTCTACGGCACATTCCTGGCCAACA



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ACCCTGCGAGCGAGAGAAGCGCAACATCTATAAACGGACGTGCTCTGTGTGGGCACTCCTGCGAGCTGG
 CAACAAGAACTTTTCATAACTTCCTCTATACACCTGGTTCAGACGTGGTCCTGCATCCTGTGTGCATGTC
 CGGGCCCTGCACCTCTGGACAGCTGTTTATCTGCCTGCGTCATCTCCATGCACCCCTGGAGAGGAAAATA
 TGGATCTTTACCTTTCCCAAGTGGCTCAGAGCCAGGAATTTCTGGTCGTTCTCTGGACAGGTTACCTAA
 AACCAGATCCATGGATGATCTGCCTCTGCCTGTGATACAAGCAGCCCCCTCACTCGTACTTCCAGCGAC
 CCTAACCTGAATAACCACTCTCAGGAGGTCAGAGGCAGCCTGGAGCCCTGGCACAGCAGCTCTGAAGGAG
 CAGAGACAGTCATAGACTCTGGAGTTGGAAGCCACAGCTGACTGTGGGAGAAATGGCCCTTCTCTCTAGT
 TCTGCCAGTAGCCAGAAAGAGTACTTGAGCAATAAACCTTTCAAGGGTCATAAAAAGTTGTTCTCTTAGT
 TATAAGTTGCTTAATACTTCTGTGTCCTGGGAAATGAAGAGCAACACCTCTGACATCAAGGTCCTGGAAG
 AAAGTGAAGCACTGGCCCGGACCTTCAGCCCAAGAGGAGCAGGGTAGGACTTCTGATGGCTTAGGGAA
 GCCACCTGAACAGTTTCTAGAGAAGGAAGTGTGACTCTGAGTGTCTAGCAAGTGTGGTGGAA
 GCCTGTGATTTTCTGAGCCTCCCAAGGACCCCTAACAGGACTCCCAACAGCCCACTAGACTCCA
 TGCAGATCTCGCCCTCAAGGTGCACTCCAGATCACAGTCAGGGCAGCCTTGAACCCCAAGTGTGGC
 CAGCCAACTCCAGAGCCAAATACTGACCTCTCAGCCAAGATCCCTGGTTCTACGGCAAGTATCTCC
 CACCAGGAACAGCTAGCTCTGTGCCGGATCTGATCTACAAGAAGGAGGATGCTGGCAAGAGAGGAAAGTA
 AGAATGGGAGCTGTTGGAAAATCCTCGCTTTGGAAAAATGCCATTGGAGTTGGCCCGAAAGCCAATTTCT
 TCAGAGCCAGATCAGTGAGTTCTCATTTTTAGGGTCAAACCTGGGACAGCTTCCAAGGGATGATGACTTCA
 TTCCCAAGCGGAGAGACCACTCCTCGGCGCTGCTTGCTTATGGCTGTTGTAGCAAGAGGCCGAGCAATA
 AGCATATTCGAGCTGCAGGGCCCTGCCTTGGGGCCAGTGGGCTCAGAGAGAAGGGATGAAATCTCCTGT
 CTGTTCTAGTCATTCCAATGGCACTGCACAGGCCAGGAGGGAAGAACAACCGGATGTGGTTTTCCAGT
 CATCCGAAGCAAGTCTCCAGCACAAAGCCTTCTTCTGAGCTGCCCTTCCCAAGTGCCTCCTCTTACC
 TGGATGATGATGGACTCCCTTTCCACGGATGTGATCCAACACAGGTTACGGCAGATCGAAGCAGGGTA
 CAGGCAAGAGGTGGAACAGCTACGGCGACAGGTTGAGAGCTTCCAGATGAGGCTAGACATTCGCTATTGC
 TGTGCCCTCCAGCAGAAACCCCATGGACTATGAGGATGACTTTACGTGTTTAAAGGATCAGATGGCA
 GTGACTGAAGACTTTGGCTCTGATCACAGTGAAGACTGCCTTTCAGAAGCAAGCTGGGAACCCGTTGA
 TAAGAAGGAGACTGAGGTGACTCGCTGGGTTCCAGACCATATGGCATCCCACTGCTTTAACTGTGACTGT
 GAATTCTGGTTGGCCAAACGAAGACATATTGCAGAAATTGTGGGAACGTATTTGTGCTGGATGCTGCC
 ACCTTAAGCTGCCATTCTGATCAGCAACTCTATGACCCAGTCTCGTCTGTAAGTCTGTTATGAACA
 CATTCAAGTATCTCGTCCAGGGAATCATGAGCCAACATCTGAAGAAACCCATTGCTACGGCTTCCAGT
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_133215

Insert Size:

3573 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_133215.1](#), [NP_573478.1](#)

RefSeq Size: 5710 bp

RefSeq ORF: 3573 bp

Locus ID: 170749

UniProt ID: [Q91XS1](#)

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]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). COMPLETENESS: complete on the 3' end.