

Product datasheet for **SC101356**

MTMR12 (AK090811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR12 (AK090811) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTMR12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK090811, the custom clone sequence may differ by one or more nucleotides

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ATATAAGAAGGCTTTTGATATTTTAAATAATTTTATATCTCATTAAATTATCTTACTATTTAAAATAGTT
TTTCAGTTCTAAATCACAATGAGATACCACTTCACACCCAGTAGGAAGGCTGTAATAAAAAAGACGACAA
TACAAGCATTGGCAAGGATTGGAACCTCATTTCATTGCCAGTGGGGATGTAAAATGTGTGGCCTCTTTGG
AAAACAGTTTGGCAATTCTCAAAAAATTAATATTAGAGTTACCATAGGACCCAGCAATTCCTACTCCTA
GGCATATCCCCAAGAGAACTAAAAACATGTCCACACAAAAATGTGTATAGGAATATCCATAACAACATTA
TTTTTGTGTGGGTGGTTGAGACAGGCTCTCGCTGTGTGTCCACGCTGGAGTGCAGTGGAGTGCAGTGGC
ATGATCACAGCTCACTGCAGCTCGACCTCCTGAGCTGAAGGGAGCCTCCCATCTCAGCCTCCCAAGTAG
CTGGGACTACAGGCGTGCAACCATGCTTGGCTAATTTTTGTATTTTTGTAGAGAATGGGTTTACCG
TGTTACCCAGGCTGGTCTCGAAGTCTGGGCTCGAGTGATTGCCTGCCTCAACCTTCCAAAGTGTGG
GATTACAGGTGTGAACCATGCCCCGGCTAGCATTGTTTTAATAACCAGAAAGTAAAAATAATCCAAA
TGTCATCAAATGATGATTGGATACACAAGATCTGGTATACCTATTTGATGAAATATTATTCAGCAAAAA
AAGGAATGAAGTAGTGATTTCATGTACAAATATTAAAGCCTTGAACATGCTAAATGAAAGAAGCCAA
TCACAAAAGACCACATATTGTATGATTCCATTTATATGAAATGTCTAAAAAGGCAATCCATAGAGACA
GAAAGTAAATTAGCGTTGCCAGGAATTGGGAATGGGAGAATGTGAAGTGACTGACTGCTAATGGGTAT
GGGGTTTCTTTCTGGGATGATGAAAATGTTCTGGAAGTAGTGGTGATAGTTGCACAACCTGTAATATACA
AAAATCCATTGTATTATACACTTTTCAAATGGGTGAATTTATGATAAGTGAGTTATATCTCAATTTAAA
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TTTCCTTTCTAATTTTTATGCTTACTATTATTTTTCTTGAATAGCATTAGCTAGTACAGTAATCCAGAA
AATGTTAAATAATTTTTCATGATAATGGTGATAGTGGACTTCTTTGACTTGTTCTGGTCATTATAGAAA
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GTGATATATTAACAGATTTTGAATATTTAACTCATTTTACATTCTTGAATGATCCTACCTGGTTGTGG
TGTATACTTATTTTAATATTCTAACATTTTACAATTTTGCATAGTTAGAAAAATTGACATTTATTTATC
ATAAAATGAATAGCATGTACAGCATTGTTGTAATGGCTCCCAAATTGGAAATAATCTAGATGTTTCATCA
ATAATAGTCTGTTTAAAGAAAGTGTGGTAGAGACATAGAATTAATACAACGCAGACATTTTAAAAATGA
GAAATATCTATATATATTGCTATATCCAAGAATATCCAAGATTATGTAAAAAAGAAGATATGCAGATGA
ATATTTTAAATGAGATTCCATTTGTGTTAAATAATGCCATAGTAACAGTAGAAATTATGTATGTTTACT
CCTATCACTGTGCATGCATAGATGATTTCCCGAAAGATATTCAAACAATTAACAGTGGTTACTTTAGGGT
AATGCTGGTTTGGGGGAAGCAGTGGTATGAAGGGAGGAGCATTCTTTTACTGTATACCTGTATGTAA
TGTTTCAGGTTTTTTCTTAATAAGCCATCTTACCTTTATAATAAAAAGTTAATTTTTAAAAAGTT

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5' Read Nucleotide Sequence:

>OriGene 5' read for AK090811 unedited
 NGTCAAAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGGAGGAGAGA
 GAGAGAGAAAAATGANAATTGAACATAATTAGGATGTTGAGTCTTCTGTGTAAGAGCAGCA
 GGAGGAAATAAAGAACAGCTATGCCTTTTCATTTTCAGTCCTGTGCTCTTCTGGAGTGTG
 TTAATATAAATCTTGATTTTTTTAACTTTATTTCCAGATAGTTATCTTTTTTGTGGA
 ATCCTTTCCCTCCACTATATTTTGAACCTGGTTATTATTTATATATAAGAAGGCTTTTGAT
 ATTTTAAATAATTTTATATCTCATTAAATATCTTACTATTTAAATAGTTTTTCAGTTC
 TAAATCACAATGAGATACCACTTCACACCCAGTAGGAAGGCTGTAATAAAAAAGACGACA
 ATACAAGCATTGGCAAGGATTGGAACCCCTCATTATTGCCAGTGGGGATGTAAAAATGTGT
 GGCCTCTTTGGAAAAACAGTTTGGCAATTCCTCAAAAAATTAAATATTAGAGTTACCATAG
 GACCCAGCAATCCACTCCTAGGCATATCCCCAAGAGAACTAAAAACATGTCCACACAAA
 AATGTGTATAGGAATATCCATAACAACATTATTTTTGTTGCGGTGGTTGAGACAGGGTCT
 CGCTGTGTTGCCACGCTGGAGTGCAGTGGAGTGCAGTGGCATGATCACAGCTCACTGCA
 GCCTCGACCTCCTGAGCTGAAGGGAGCCTCCCATCTCAGCCTCCCAAGTAGCTGGGACTA
 CAGGCGTGCACCACCATGCTTGGCTAATTNTTGTATTTTTGTAGAGAAATGGGTTCCACC
 GTGTTACCCAGNCTGGTCTCGAACTTCTGGGNCTCGAGTGATCGCTGTCAACTTNCA
 AGTGCTGGNNATTACAGTGTGAACACCATGCCCGCTAGCATTGTTTTATACCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for AK090811 unedited
 GGGGGAATACGGTGTACCAAGCCGATTACGATGATCGAAAAATCTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTAACTTTTAAAAATAACTTTTTATTATAAAGGTAAAA
 TGGCTTATTAAGAAAAAACCTGAAACATTACATACAGGTTTACAGTAAAAAGGAATGCTC
 CCTCCCTTCATACCACTGCTTCCCCAACTCTTATTCCCTAAAGTAACCACTGTAAAT
 TGTTTGAATATCTTTCGGGAAATCATCTATGCCTGCCAGTGATAGGAGTAAACATACAT
 AATTTCTACTGTACTATGGGCATTATTTAACACAAATGGAATCTCATTTAAATATTCA
 TCTGCATATCTTCTTTTTCACATAATCTTGGATATTCTTGGATATAGCAATATATATAG
 ATATTTCTCATTTTTAAATGTCTGCGTTGGATTTAATCTATGTCTCTACCACACTTTC
 TTTAAACAGACTATTATTGATGAACATCTAGATTATTTCCAATTTGGGAGCCATTACAAA
 CAATGCTGTACATGCTATTCTTTTATGATAAATAAATGTCAATTTTTCTAACTATGCAA
 AAATTGTAAATGTTAGAATATTTAAATAAGTATACACCACAACAGGTAGGATCATTTTC
 AAGAATGTAAATGAGTTAAATATTACCAATCTTGTAAATATATACCGCATTTGAGATC
 AAAGAAAAATCTTCATAAATTATAAAGAAATAGGGGTAGTTTTTTCTTAATGGGGAAAA
 AACATGTTGGGCCCTTGGCCCCACCCCAACCCCGCTTCTTGCTTATTGAAAAAA
 CTTTTCTATTTTTTTATGACCCGGACCAATTCCAAAAAGTCCCTTTCCCCCTTTT

Restriction Sites:

NotI-NotI

ACCN:

AK090811

Insert Size:

2750 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:	<u>AK090811.1</u>
RefSeq Size:	2095 bp
RefSeq ORF:	2095 bp
Locus ID:	54545
Cytogenetics:	5p13.3
Protein Families:	Druggable Genome
Gene Summary:	Phosphatidylinositide 3-kinase-derived membrane-anchored phosphatidylinositides, such as phosphatidylinositol 3-phosphate (PtdIns(3)P), regulate diverse cellular processes. The protein encoded by this gene functions as an adaptor subunit in a complex with an active PtdIns(3)P 3-phosphatase. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]