

Product datasheet for **SC114648**

MTMR9 (NM_015458) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR9 (NM_015458) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTMR9
Synonyms:	C8orf9; LIP-STYX; MTMR8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114648 sequence for NM_015458 edited (data generated by NextGen Sequencing)

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ATGGAGTTTGGGAGCTGATTAAGACCCCGGGTGGACAATGTGGTGTGCACCGGCCT
TTTACCCGGCTGTCGAGGGCACCCTGTGCCTGACGGGCCACCATTGATCCTGTCTCC
CGGCAGGACAATACGGAGGAGCTGTGGCTCCTCCATTCAAACATCGACGCCATCGACAAG
CGATTTGTAGGATCACTGGTACCATCATCAAAAATGTAAGATTTTCGAATTATTCAG
TTGGATATTCCTGGAATGGAGGAATGCTTGAATATAGCCAGTTCATTGAGGCATTGTCT
ACTCTGGACTCCATCACTCTGATGTACCCTTTCTTTTACCGTCTATGTTTGAAGTGATA
GAAGATGGCTGGCATTCTTCTTCTTCTGAGCAAGAATTTGAACTCTATTCTTCAGCTACC
AGTGAATGGAGGCTAAGCTATGTCAATAAGGAATTTGCTGTCTGTCCCTTTACCCACCA
ATTGTCACAGTGCCCAAATCCATCGATGATGAAGCTCTTCGGAAGGTAGCTACATTTTGA
CATGGAGGGCGCTTCCAGTACTAAGCTATTACCACAAAAAATGGGATGGTAATTATG
CGAAGTGGTCAGCCACTCACTGGTACAAACGGGAGGAGTGAAGGAGGACGAGAAGCTG
ATAAATGTACCCTCAGGCTGGAAAGCGTGGCTACATCATTGACACCCGATCCCTGAAC
GTGGCTCAGCAAAGTACAGCCAAAGGAGGTGGCTTTGAACAAGAAGCTCATTATCCTCAG
TGGAGGCGAATTCATAAGTCCATTGAGAGGTATCACATTTCTCAGGAGAGCTTAATCAAA
CTTGTGGAAGCTTGAATGACCAAACACATAACATGGACCGATGGCTCAGTAAATTTGGAG
GCCTCTAACTGGCTGACTCACATCAAAGAGATTCTGACAACTGCCTGCTAGCGGCTCAG
TGCATCGACAGGGAAGGAGCATCAATATTGATTACGGAACAGAAGGAAGTATTCCACA
CTCCAGGTGACCTCCTTGGCCAGATCATCTTAGAGCCAAGAAGCAGGACCATTTCGTGGT
TTTGAGGCCCTGATTGAAAGAGAGTGGCTGCAGGCTGGTACCCATTCCAGCAGCGCTGT
GCACAGTCAGCCTACTGTAACACCAAGCAGAAGTGGGAGGCTCCTGTATTTCTTCTTTC
TTGGACTGCGTGGCAGATCCTTCGTCACTTTCCCTGTTCTTTTGAAGTTAATGAGAAT
TTCTCATCATGCTCTTTGAGCATGCTTATGCCTCACAGTTTGAACATTTCTGGGCAAC
AATGAAAGTAAAAGATGTAAGTTGAAGTACAGCAGAAGACGATGTCTTTGTGGTCTGG
GTTAATCAGCCCAGTGAAGTAAATTCACCAATCCCCTTTTGAAGCCAACAACCTT
GTCATCTGGCCTTCAAGTGTCTCCGAGAGTCTTCCACTGTGGGAAGGTATTTCTACGT
TGGAAATAGATCCTAAGTATTTGGATGAAGCATATGAAGAAATGGTTAACATCATTGAA
TATAATAAAGAATTACAAGCAAAAGTCAATATCCTTCGAAGGCAGTTGGCAGAACTGGAA
ACAGAGGACGGGATGCAGGAGAGTCCCTGA
    
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Clone variation with respect to NM_015458.3

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_015458 unedited
GGGGTCGGGANNNGNAAACGACTCCTATAGCGGCCGGCGATTCCGGCAGGGGTAACC
GCCTCGCACCTACCGGGCTCGGTTCCCTGGCTCCGGCCGCGGGGGAGCATGGAGTTTGC
GGAGCTGATTAAGACCCCGGGTGGACAATGTGGTGTGCACCCGGCCTTTCTACCCGGC
TGTGAGGGCACCTGTGCCTGACGGGCCACCATTGATCCTGTCTCCCGCAGGACAA
TACGGAGGAGCTGTGGCTCCTCCATTCAAACATCGACGCCATCGACAAGCGATTTGTAGG
ATCACTGGGTACCATCATCAAAAATGTAAGATTTTCGAATTATTCAGTTGGATATTCC
TGGAAATGGAGGAATGCTTGAATATAGCCAGTTCATTGAGGCATTGTCTACTCTGGACTC
CATCACTGTGATGTACCCTTTCTTTTACCGTCTATGTTTGAAGTATAGAAGATGGCTG
GCATTCCTTCTTCTGAGCAAGAATTTGAACTCTATTCTTCAGTACCAGTGAATGGAG
GCTAAGCTATGTCAATAAGGAATTTGCTGTCTGTCCCTTTACCCACCAATTGTCACAGT
GCCCAAATCCATCGATGATGAAGCTCTTCGGAAGGTAGCTACATTTGACATGGAGGGCG
CTTCCCAGTACTAAGCTATTACCACAAAAAATGGGATGGTAATTATGCGAAAGTGGTC
AGCCACTCACTGGTACAAACGGGNAGGAGGTGCAAGNNAGACGAGAAGCTGATAAATGC
TACCCTCAGGGCTGGAAAGCGTGGCTACATCATTGACACCCGATCCCTGAACGTGGCTCA
GCANATAGAGCAAAAGGAGGTTGGCTTTGAACAAGAGCTCATATCCTCAGTGGAGGCAAT
TTC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_015458 unedited ACGCGGCACGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTAAACAAACTAAAATGGA CATTTTCACACAACGCAGAGCTACGAGAATCTCTTATGCTCCTTGCCATGGGATTTTAA TGCCCCAAGGTTCACTAACACAGCAAAGAAAGTAAGTCAAAAATAAACTGAGCTTAAAGA AGGTGGCAGGCCAATTTTCCAAAAAGACTGTGGACTGTGGGCTGCTGTGTAGCCTTTGC TACAAGGCTGAGGAAGCAGAAGAAAGATGAATTGGGCAATTGGTGATGAAAAGTATTTGC CATTTTCAAAGGCTTCTCAGTGTGGCCATAGATTTTGCTAGTCAATTTTTAAAAAATTAT ATTTTTAGCTCAACACACAGCTCTAAAGCAGGGTTCAGTGTAGTGTGTTCTCTACCGAAA TGGTTATATACAGATGGTATGGAATGGTTTTAAAGATTACTCATAAACTATCCTTTTAA AGAAAACTAGACTCGGTCATATTTGTTAAAATGAGCAATGTCACCAAACAGAAATGTAG GTGGGAAATACTGAACCACAAACATTTGGAGTTGCAGGCATAGACTAGCAGAGCATGAAT AGTCATCACTGTTTCTATAATACTGAAACACTCAAATCTGTTTCTGAGGTTTAAACACA GAGCTATATTATTTTCAAACTTCCCCCTCCACTTAAGTTATATTTGCCTAACACATAA TGGACAAATCAATAGAGCCAAAGCAAATTTGCAAAAGGCTCANGTCAACATGAAAATTTT AACCTTAGTATTANGAACTCTTAAATACTTACAAATTAACACACACATAAACACACTA CACTTTTAAACAGTGCATTAGAAGTTANACAGGCAGGCATCTTGGTTAAGAACCTATTGTA CTGATATATAAATAACTTTCTAAAGAGGTAATTTA
Restriction Sites:	NotI-NotI
ACCN:	NM_015458
Insert Size:	3520 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:	NM_015458.3 , NP_056273.2
RefSeq Size:	7421 bp
RefSeq ORF:	1650 bp
Locus ID:	66036
UniProt ID:	Q96QG7
Cytogenetics:	8p23.1
Protein Families:	Druggable Genome, Phosphatase

Gene Summary:

This gene encodes a myotubularin-related protein that is atypical to most other members of the myotubularin-related protein family because it has no dual-specificity phosphatase domain. The encoded protein contains a double-helical motif similar to the SET interaction domain, which is thought to have a role in the control of cell proliferation. In mouse, a protein similar to the encoded protein binds with MTMR7, and together they dephosphorylate phosphatidylinositol 3-phosphate and inositol 1,3-bisphosphate. [provided by RefSeq, Jul 2008]