

Product datasheet for **SC315595**

MTMR14 (NM_001077526) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR14 (NM_001077526) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTMR14
Synonyms:	C3orf29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC315595 representing NM_001077526.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCCGGCGCTCGGGCCGCCCGCCGCTGCCTCGGCGGGTCTCTCGGCCTCTTCAGGCAACCAGCCG
CCTCAGGAGCTGGGGCTTGGGAGCTGCTGGAGGAGTTCTCCCGACTCAGTACCGGGCCAAGGATGGC
AGCGGGACCGGGCGCTTAAGGTTGAGCGCATTGAGAAGAGATGTCTGGAGCTGTTTGGCCGAGACTAC
TGTTTCAGCGTGATTCCAAACACGAATGGGGATATCTGTGGCCACTATCCCCGGCACATCGTGTTCTG
GAGTATGAGAGTTCTGAGAAGGAGAAAGACACGTTTGTAGAGTACCGTACAGGTGAGCAAGTTGCAAGAC
CTCATCCACCGCAGCAAGATGGCCCGGTGCAGAGGACGGTTTGTCTGCCAGTAATCCTGTTCAAGGGC
AAGCACATTTGCAGGTCGGCCACACTGGCTGGATGGGGAGAGCTGTATGGACGCTCAGGCTACAACAT
TTTTTCTCAGGGGTGCAGATGATGCCTGGCAGATGTGGAGGACGTACGGAGGAGGACTGTGCTCTT
CGAAGTGGTGACACGCATCTTTTTGATAAGGTCAGAGGCTATGACATCAAGCTGCTTCGATACCTGTCA
GTCAAATACATCTGTGACCTGATGGTGGAGAACAAGAAGTGAAGTTTGGCATGAATGTAACCTCCTCT
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TTTTTCAAGGAATATAAAGATCGGGATTACATGGCAGAAGGGCTCATATTTAACTGGAAGCAGGACTAC
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TGTTGGGATCTGGTGCAACAAACAAAACTACCTGAAGCTGCTGCTTTCCTTAGTTAACAGTGATGAT
GACAGCGGGTCTGGTACACTGTATCTCAGGCTGGGATCGGACCCCCCTTTCATCTCCCTCCTGCGC
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GCCTATGACTGGTTCCTTTCGGGCACATGTTGGTAGATCGGCTCAGCAAAGGGGAGGAGATTTTCTTC
TTCTGTTCAATTTTTTGAAGCATATTACCTCCGAGGAGTTCTCTGCTCTGAAGACCCAGAGGAGGAAG
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AGCACACCAGCCTTGGCAGCGACTTCTCCCTGGTTCATGGAGAGTTCCCCAGGAGCCACTGGGAGCTTC
ACCTATGAGGCCGTGGAGCTGGTCCCAGCAGGAGCGCCAACCTCAGGCAGCTTGGAGGAAGAGCCACTCA
TCCTCTCCACAGAGTGTCTCTGGAACCGGCCACAACCCTCAGAGGACCGCTTGCCTTCCAGCAGGGG
CTGGCGGAAGCCAGGCTTCCAGCTCCTTCTCAAACCATTCTGATACTTTTTCAGGATGGGTAGC
AGTCCCCTGGAGGTCCCCAAACCAGGCTTGCAGCCCTGAGTATCGAGAGACTCGGCTGCAGGAGGTG
CGCTCAGCCTTCTGGCTGCGTACAGCAGCACAGTGGGGCTTCGGGCAGTAGCCCCAGTCTTCCGGT
GCCATCGGGGCCTGCTGGAGCAATTTGCCCGTGGTGTGGACTCCGGAGCATCAGCAGCAATGCCTTG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001077526

Insert Size: 1797 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001077526.2
RefSeq Size:	2380 bp
RefSeq ORF:	1797 bp
Locus ID:	64419
UniProt ID:	Q8NCE2
Cytogenetics:	3p25.3
Protein Families:	Druggable Genome, Phosphatase, Secreted Protein
MW:	66.7 kDa
Gene Summary:	<p>This gene encodes a myotubularin-related protein. The encoded protein is a phosphoinositide phosphatase that specifically dephosphorylates phosphatidylinositol 3,5-biphosphate and phosphatidylinositol 3-phosphate. Mutations in this gene are correlated with autosomal dominant centronuclear myopathy. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 18.[provided by RefSeq, Apr 2010]</p> <p>Transcript Variant: This variant (1) lacks an alternate in-frame segment in the 3' coding region, compared to variant 2. The resulting protein (isoform 1) has a shorter C-terminus when it is compared to isoform 2.</p>