

Product datasheet for **SC128053**

MTMR8 (NM_017677) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR8 (NM_017677) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTMR8
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 NM_017677, the custom clone sequence may differ by one or more nucleotides

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ATGGATCATATTACGGTACCCAAGGTAGAAAACGTGAAATTGGTGGATCGTTATGTGAGTAAGAAACCAG
CTAATGGGATTCTTTATCTTACTGCAACCCACCTGATCTATGTGGAGGCTTCAGGTGCAGCCCGAAAGA
AACATGGATTGCACTCCATCACATTGCCACTGTGGAGAAGTTACCCATCACTAGCCTGGGTTGCCCTG
ACCCTCCGCTGCAAGAATTTCCGGGTGGCCACTTTGTTTTAGATTCTGACCTTGTGTGCCATGAGGTTT
ATATTTCACTGCTCAAGCTTTCTCAGCCAGCATTACCTGAAGATCTTTATGCTTTTTCTATAATCCCAA
ATCCTCAAAGAGATGAGGGAAAGTGGATGAAAACGATTGACCCAATATCAGACTTTGGGCGTATGGGA
ATACCCAACAGAACTGGACCATAACAGATGCCAACAGAACTATGAGATATGCAGCACCTACCCTCCTG
AAATAGTGGTTCCTAAATCTGTTACCTTGGGAACGGTGGTTGGAAGTTCAAAGTTCAGAAGTAAAGAACG
TGCCCTGTGCTCCTACCTCTACAAAGAGAACAATGCTGCCATTTGCCGCTGTAGCCAGCCTCTCTCT
GGATTTTACACTCGCTGTGTAGATGATGAGCTCTTGTGGAGGCCATTAGCCAAACAAACCAGGGAGCC
AGTTTATGTATGTTGTAGACACAAGACCAAAGTTGAATGCCATGGCCAACCGAGCAGCTGGGAAGGGTA
TGAAAATGAAGACAACATGCCAACATTCGCTTACAGATTCATGGGCATTGAGAACATCCATGTAATGCGG
AGCAGTCTGCAGAACTCTTGAAGTTTGTGAATTGAAAACCTCAACAATGAGTGAATTTCTTAGCGGCC
TGGAGAGCTCAGGGTGGTTAAGACACATTAAGCTATTATGGATGCTGGAATTTTCATTACAAAGGCAGT
GAAGGTAGAAAAGGCCAGTGTCTTAGTCCATTGTTCTGATGGATGGGACCGCACAGCACAAGTCTGCTCA
GTGGCTAGCATCCTCCTAGATCCATTTTATAGGACATTCAAAGGACTCATGATCTTGATAGAGAAGGAAT
GGATATCCATGGGCCACAAGTTTTCCCAAAGGTGTGGCCACCTCGATGGGACTCTAAAGAAGTGTCCCG
TATCTTCACCCAGTTCCTAGACTGTATCTGGCAATTAATGGAACAGTTTCCCTGTGCCTTTGAGTTTAA
GAAAACCTCTGCTGGAGATTCATGACCATGTTTTCTCCTGCCAGTTTGGAACTTCCTTGGTAAC TGCC
AGAAGGATCGGGAAGATCTAAGAGTCTATGAGAAAACACATTCTGTGTGGCCTTTCTTGGTTCAGAGGAA
ACCAGACTTCAGGAACCCTCTCTATAAAGGCTTCACTATGTATGGGGTACTCAATCCTAGTACTGTGCC
TACAACATTCAAGTCTGGTGTGGGATGTATAACCGCTTTGACAAAGGGCTGCAGCCCAAGCAGAGTATGC
TAGAGAGCCTCCTGGAAATTAAGAAACAGAGAGCAATGCTGGAGACAGATGTGCATGAACTAGAAAAGAA
ACTAAAAGTCCGTGATGAGCCACCAGAAGAGATCTGTACCTGCTCTCAATTAGGAAACATATTATCCCAG
CATCTGGGAAGTCTTTGACCAATCCTCTTGGCTTTATGGGTATCAATGGAGACCTGAATACCCTGATGG
AGAATGGCACCCATCCAGGGAAGGAGGCCTCCGAGCTCAGATGGATCAAGTAAAAAGCCAGGGTGCAGA
CCTCCACCATAACTGTTGTGAGATTGTGGGCAGCCTTAGGGCCATAAATATCTCTGGGGATGTGGGCATC
TCTGAGGCCATGGGCATCTCTGGAGACATGTGCACCTTTGAGGCTACGGGCTTCTCAAAGACTTAGGAA
TCTGTGGGGCCATGGACATCTCTGAGGCCACTGGCATCTCTGAAAACCTGGGTATTTCTGAGGCCAGGGG
TTTCTCTGGGGACATGGGCATCTTGGGGACACAGGCATCTCCAAGGCCAGCACCAGGAGGCAGACTAC
TCCAAGCATCAGTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017677 unedited GAGTTCACATTTTGTATACGACTCACTATAGGCGGCCGGAATCANATCTGGTACCGGTC CGGAATCCCCTGGGATATCGTCGACCCACGCGTCCGGGCGGCTAGACCGGTGGCGGGCA TCTGGAGTAGCACTGAGATCTTCCGGTGGCGGAACTGCAGTCATGGATCATATTACGGT ACCCAAGTAGAAAACGTGAAATTGGTGGATCGTTATGTGAGTAAGAAACCAGCTAATGG GATTCTTTATCTTACTGCAACCCACCTGATCTATGTGGAGGCTTCAGGTGCAGCCCGGAA AGAAACATGGATTGCACTCCATCACATTGCCACTGTGGAGAAGTTACCCATCACTAGCCT GGGTTGTCCCCTGACCTCCGCTGCAAGAATTTCCGGGTGGCCCACTTTGTTTTAGATTC TGACCTTGTGTGCCATGAGGTTTATATTTCACTGCTCAAGCTTTCTCAGCCAGCATTACC TGAAGATCTTTATGCTTTTTCTTATAATCCCAAATCCTCAAAGAGATGAGGGAAAGTGG ATGGAACTGATTGACCCAATATCAGACTTTGGGCGTATGGGAATACCCAACAGAAACTG GACCATAACAGATGCCAACAGANACTATGAGATATGCAGCACCTACCCTCCTGAAATAGT GGTTCCTAAATCTGTTACCTTGGGAACGGTGGTTGGAAGTTCANAGTTCAGAAGTAAAGA ACGTGTCCCTGTGCTCTCTACCTCTACANAGAGAACAATGCTGCCATTTGCCGCTGTAG CCAGCCTCTCTGGATTTTACTACTCGTGTGTAATGATGAGCTCTTGTGGAGCCCA TAGCCAAACAAACCCAGGAGCCAGTTTATGTATGTTGTAGACACAGACCAAAGTGAATG CCCG</p>
Restriction Sites:	Please inquire
ACCN:	NM_017677
Insert Size:	3000 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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_017677.2 , NP_060147.2
RefSeq Size:	2653 bp

RefSeq ORF:	2115 bp
Locus ID:	55613
UniProt ID:	Q96EF0
Cytogenetics:	Xq11.2
Domains:	PTPc_motif
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	<p>This gene encodes a member of the myotubularin-related family and is part of the MTMR6 subgroup. Family members are dual-specificity phosphatases and the encoded protein contains a phosphoinositide-binding domain (PID) and a SET-interacting domain (SID). Defects in other family members have been found in myotubular myopathic diseases. [provided by RefSeq, Mar 2010]</p>