OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC127468

MTMR2 (NM_016156) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR2 (NM_016156) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTMR2
Synonyms:	CMT4B; CMT4B1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF: >NCBI ORF sequence for NM_016156, the custom clone sequence may differ by one or more nucleotides

ATGGAGAAGAGCTCGAGCTGCGAGAGTCTTGGCTCCCAGCCGGCGGCGGCTCGGCCGCCCAGCGTGGACT
CCTTGTCCAGTGCCTCCACTTCTCATTCAGAGAATTCAGTGCATACAAAATCAGCTTCTGTTGTATCATC
AGATTCCATTTCAACTTCTGCCGACAACTTTTCTCCTGATTTGAGGGTCCTGAGGGAGTCTAACAAGTTA
GCAGAAATGGAAGAACCACCCTTGCTTCCAGGAGAAAATATTAAAGACATGGCCAAAGATGTAACTTATA
TATGTCCATTCACTGGCGCTGTACGAGGAACTCTGACTGTCACGAATTATAGGTTATATTTCAAAAGCAT
GGAACGGGATCCCCCATTTGTTTTAGATGCTTCCCTTGGTGTGATAAATAGAGTAGAAAAAATTGGTGGT
GCTTCTAGTCGAGGTGAAAATTCTTATGGACTAGAAACTGTGTGTAAGGATATTAGGAATTTACGATTTG
CTCATAAACCTGAGGGGCGGACAAGAAGATCCATATTTGAGAATCTAATGAAATATGCATTTCCTGTCTC
TAATAACCTGCCTCTTTTTGCTTTTGAATACAAAGAAGTATTCCCTGAAAATGGGTGGAAGCTATATGAC
CCTCTTTTAGAGTATAGAAGGCAGGGAATTCCAAATGAAAGCTGGAGAATAACAAAGATAAATGAACGAT
ATGAACTTTGTGATACATACCCTGCCCTCCTGGTTGTGCCAGCAAATATTCCTGATGAAGAATTAAAGAG
AGTGGCATCCTTCAGATCAAGAGGCCGTATCCCAGTTTTATCATGGATTCATCCTGAAAGTCAAGCCACA
ATCACTCGGTGTAGCCAGCCCATGGTTGGAGTGAGTGGAAAGCGAAGCAAAGAAGATGAAAAATACCTTC
AAGCTATCATGGATTCCAATGCCCAGTCTCACAAAATCTTTATATTTGATGCCCGGCCAAGTGTTAATGC
TGTTGCCAACAAGGCAAAGGGTGGAGGTTATGAAAGTGAAGATGCCTATCAAAATGCTGAACTAGTTTTC
CTGGATATCCACAATATTCATGTTATGAGAGAATCATTACGAAAACTTAAGGAGATTGTGTACCCCAACA
TTGAGGAAACCCACTGGTTGTCTAACTTGGAATCTACTCATTGGCTAGAACATATTAAGCTTATTCTTGC
AGGGGCTCTTAGGATTGCTGACAAGGTAGAGTCAGGGAAGACGTCTGTGGTAGTGCATTGCAGTGATGGT
TGGGATCGCACAGCTCAGCTCACTTCCCTTGCCATGCTCATGTTGGATGGATACTATCGAACCATCCGAG
GATTTGAAGTCCTTGTGGAGAAAGAATGGCTAAGTTTTGGACATCGATTTCAACTAAGAGTTGGCCATGG
AGATAAGAACCATGCAGATGCAGACAGATCGCCTGTTTTTCTTCAATTTATTGACTGTGTCTGGCAGATG
ACAAGACAGTTTCCTACCGCATTTGAATTCAATGAGTATTTTCTCATTACCATTTTGGACCACCTATACA
GCTGCTTATTCGGAACATTCCTCTGTAATAGTGAACAACAGAGAGGAAAAGAGAATCTTCCTAAAAGGAC
TGTGTCACTGTGGTCTTACATAAACAGCCAGCTGGAAGACTTCACTAATCCTCTCTATGGGAGCTATTCC
AATCATGTCCTTTATCCAGTAGCCAGCATGCGCCACCTAGAGCTCTGGGTGGGATATTACATAAGGTGGA
ATCCACGGATGAAACCACAGGAACCTATTCACAACAGATACAAAGAACTTCTTGCTAAACGAGCAGAGCT
TCAGAAAAAAGTAGAGGAACTACAGAGAGAGATTTCTAACCGATCAACCTCATCCTCAGAGAGAGCCAGC
TCTCCTGCACAGTGTGTCACTCCTGTCCAAACTGTTGTATAA

Restriction Sites: Please inquire

ACCN: NM_016156

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:	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_016156.3, NP_057240.3
RefSeq Size:	4493 bp
RefSeq ORF:	1932 bp
Locus ID:	8898
UniProt ID:	Q13614
Cytogenetics:	11q21
Domains:	PTPc_motif, GRAM
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Fructose and mannose metabolism, Metabolic pathways, Riboflavin metabolism, Thiamine metabolism
Gene Summary:	This gene is a member of the myotubularin family of phosphoinositide lipid phosphatases. The encoded protein possesses phosphatase activity towards phosphatidylinositol-3-phosphate and phosphatidylinositol-3,5-bisphosphate. Mutations in this gene are a cause of Charcot-Marie-Tooth disease type 4B, an autosomal recessive demyelinating neuropathy. Alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Aug 2011] Transcript Variant: This variant (1) encodes the longer isoform (1).