

Product datasheet for **SC315601**

MTMR14 (NM_001077525) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR14 (NM_001077525) 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)



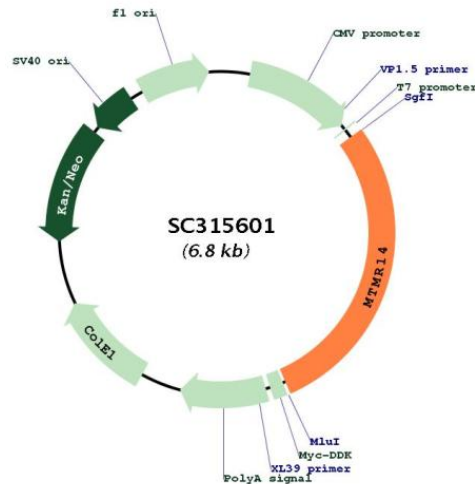
[View online »](#)

Fully Sequenced ORF: >SC315601 representing NM_001077525.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CCTCAGGAGCTGGGGCTTGGGAGCTGCTGGAGGAGTTCTCCCGACTCAGTACCGGGCCAAGGATGGC
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TCCTCTCCACAGAGTGTCTCTGGAACCGGCCACAACCCTCAGAGGACCGCTTGCCTTCCCAGCAGGGG
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GCCCCAGTCTTCCGGTGCCATCGGGGCTGCTGGAGCAATTTGCCCGTGGTGTGGACTCCGGAGC
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ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001077525

Insert Size: 1953 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:

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_001077525.2](#)

RefSeq Size: 2536 bp

RefSeq ORF: 1953 bp

Locus ID: 64419

UniProt ID: [Q8NCE2](#)

Cytogenetics: 3p25.3

Protein Families: Druggable Genome, Phosphatase, Secreted Protein

MW: 72.2 kDa

Gene Summary: 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]
Transcript Variant: This variant (2) represents the longest transcript and it encodes the longest protein (isoform 2).