

## Product datasheet for **SC337067**

### **MTMR12 (NM\_001294344) Human Untagged Clone**

#### **Product data:**

|                           |                                            |
|---------------------------|--------------------------------------------|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | MTMR12 (NM_001294344) Human Untagged Clone |
| Tag:                      | Tag Free                                   |
| Symbol:                   | MTMR12                                     |
| Synonyms:                 | 3-PAP; PIP3AP                              |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-Entry (PS100001)                     |
| E. coli Selection:        | Kanamycin (25 ug/mL)                       |



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**Fully Sequenced ORF:** >SC337067 representing NM\_001294344.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCTGGGGAAGGAGTAGTCGGCGGTGGCGGGCACCAAGGCCCAAGCCCTCCTTCGTGTCGTAC
GTACGCCCTGAGGAAATTCACACAAACGAAAAGGAAGTAACAGAGAAGGAAGTAACCTCTCACTTGTG
CCAGGTGAACAGCTGCTTTGTGAAGCCAGCACAGTACTGAAGTATGTCCAGGAAGATTCCTGTGAGCAT
GGGGTCTATGGGAGGCTTGTCTGCACAGACTTCAAGATTGCCTTCTTGGGTGATGATGAATCTGCATTG
GATAATGATGAACTCAATTTAAGAATAAGGTTATAGGAGAAAATGACATTACACTCCACTGTGTTGAT
CAGATTTATGGAGTGTGTTGATGAGAAAAAGAACTCTCTTGGACAACCTGAAGAAATACCTGAGAAG
CTCATCATCCACTGCAAAGACCTTCGAGTGTTCAGTTTTGTCTGAGGTACACAAAGGAAGGAAGTC
AAAAGGATTGTCAGTGGCATAATTCATCATACCCAGGCTCCTAACTGCTTAAACGATTATTTCTGTTT
TCCTATGCGACTGCTGCACAAAACAATACAGTCACTGATCCCAAGAACCATAACCGTAATGTTTGACACA
CTTAAGGACTGGTGTGGAACTGGAACGGACCAAGGCAACATGAAGTACAAAGCAGTGAGTGTCAAC
GAAGGCTATAAAGTCTGTGAGAGATTGCCAGCATACTTTGTTGTCCCAACCCCTCTTCTGAAGAGAAT
GTGCAGCGCTTTCAAGGTCATGGCATAACCAATATGGTGTGGTCTGCCACAATGGAAGTGCCCTTTTG
AAAATGTCAGCACTGCCCAAAGAACAGGATGACGGCATTTTACAAATCCAAAAGAGCTTCTTAGATGGA
ATTTACAAGACCATCCACAGGCCACCCTATGAAATTGTTAAAACGGAAGACCTGTCAAGCAACTTCCTG
TCCCTGCAGGAAATCCAGACTGCATACTCTAAATTTAAACAGCTATTTCTGATAGATAACAGTACTGAA
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GAGAATGCATCCGACCTCTGCTGTCTATTTCCTCTCTGGTCAACTGATGATGGACCCCACTGCAGA
ACCAGAATTGGTTTCCAGAGCCTCATCCAAAAGGAGTGGGTGATGGGTGGCCACTGTTTCTTGGATCGC
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AAGTCATCTCCCAAAGAGGATTTTTCAGGGAAGAAACAGATCATTTAATTAACCTTCTGGGCAAG
AGAATTAGCAACTTATTAATCTTCTGATGAGCTCCAAGACAACCTTCGAGAGTTCTATGACAGCTGG
CATAGCAAGTCCACTGACTACCATGGTTTGTGTTACCGCATATCGAGGGGCCGAAATCAAAGTCTGG
GCCCAGCGCTACCTACGTTGGATTCCAGAAGCCCAATCTAGGTGGTGGCAAGTGCCCACTCTGAGC
AACTCTTGAAATGATGGAGGAAGTCCAGAGTTTACAAGAGAAGATCGACGAGAGACACCACAGCCAG
CAGGCCCCCAGGCTGAGGCCCTGCCTGCTGAGGAAGTCTGCCCGCTCTCGTCTTTGTTTCTTTTC
GCTCTGCTCCAGCGACATTCCTCTAAGCCCGTCTTACCCACCAAGTGGCTGAAAGCTTTGGGAGATGAA
GACGATTTGGCCAAACGAGAAGATGAGTTCTGTGGACCTAGGGGATGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001294344

**Insert Size:** 1914 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).

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq:</b>                | <u>NM_001294344.1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>RefSeq Size:</b>           | 4868 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>RefSeq ORF:</b>            | 1914 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Locus ID:</b>              | 54545                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>UniProt ID:</b>            | <u>Q9C0I1</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Cytogenetics:</b>          | 5p13.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Protein Families:</b>      | Druggable Genome                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>MW:</b>                    | 73.2 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Summary:</b>          | <p>Phosphatidylinositide 3-kinase-derived membrane-anchored phosphatidylinositides, such as phosphatidylinositol 3-phosphate (PtdIns(3)P), regulate diverse cellular processes. The protein encoded by this gene functions as an adaptor subunit in a complex with an active PtdIns(3)P 3-phosphatase. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2014]</p> <p>Transcript Variant: This variant (3) lacks two in-frame exons in the 3' coding region, compared to variant 1. The resulting isoform (3) lacks an internal segment, compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p> |