

## Product datasheet for **MC220175**

### **Mtmr7 (NM\_001040699) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mtmr7 (NM_001040699) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtmr7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220175 representing NM\_001040699  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCACATCCGCACGCCAAGTTGAAAACGTGCGCTTGGTAGACAGAGTGTCTTGTAAAAAGGCAG  
 CGCTGGGAACTTTGTATCTGACGGCCACTCACGTCATATTCGTGGAAAATGCACCTGACACAAGAAAAGA  
 AACCTGGATTCTGCACAGTCAGATCTCCACCATTGAAAAGCAGGGCACAACAGCTACGGGCTGCCCTCTG  
 CTTATTCGCTGCAAGAACTTCCAGATCGTACAACCTTGTCACTCCACAGGAGAGAGACTGCCACGACGTGT  
 ACATCTCTCTGATACGCCTTGCACGGCCAGTGAAGTACGAGGAGCTATACTGCTTTTCTTCAACCCCAA  
 GCTGGATAAGGAAGAACGGGAGCAGGGCTGTTGCTGTTGACCTTAGTGAAGAATAACAAGCAATGGGC  
 CTCCTGATAATTATTGGCAGCTCAGCGATGTGAATAGAGACTACAGAGTTTGTGACTCTACCCACGG  
 AACTGTACGTCCCAGATCGGCCACGGCACACATCATCGTGGCAGCTCCAAGTCCGGAGCAGACGGCG  
 ATTTCTGCCCTTCTACTACTGTAAGACAGCCATGCCTCCATCTGCAGGAGCAGCCAGCCCTTTCC  
 GGCTTCAGCGCTCGGTGCCTGGAGGATGAGCAGATGCTCCAAGCCATCAGGAAAGCCAATCCTGGAAGTG  
 ACTTCATTTATGTCGTGGACACAAGGCCTAAACTTAATGCGATGGCAAATCGTGTGTCAGGGAAAGGCTA  
 TGAGAATGAAGACAATTATCCAAATATCAAGTTTCACTTATCGGCATAGAGAACATCCACGTATGAGG  
 AACAGTCTTCAGAAAATGCTGGAAGTGTGTGAACCTAAATCTCCCTCTATGAGTGATTTCTGTGGGGAC  
 TGGAGAACTCAGGCTGGCTGAGGCACATCAAAGCCATCATGGATGCAGGGATCTTCATTGCAAAGGCAGT  
 TTCAGAGGAAGGGCAAGTGTGCTTGTCTACTGTTCTGACGGCTGGGACAGAACGGCCAGGTGTGCTCG  
 GTGGTAGCCTGCTGCTGGACCTTACTACCGACTCTGAAAGGATTCATGGTATTAATTGAAAAGGACT  
 GATTTCTCGGACATAAATTTAATCATAGATATGGCAACTTAGATGGTGACCCAAAAGAAATCTCTCC  
 AGTAATCGACCAGTTCATTGAGTGTGTCTGGCAGCTAACGGAACAGTTCCTTGGCCTTTGAGTTCAAC  
 GAGAGTTTCTGACTCACATTCAGCATCATGTTTATTCTGCCAGTTTGGAACTTCTGTGTAATAGCC  
 AGAAGGAGAGGCGAGAACTCAAGATTCAAGAAAGAACCTACTCTTTGTGGTCCAACCTGTGGAAGAATCG  
 AGCTGACTACCTCAATCCTCTGTTTAGAGCTGACCACAGTCAGACCCAGGGGAGCCTTCTGCTTACA  
 GCTCCATGCAACTTCACTATAAGTTTGGAAATGGGATGTATAACCGCTTTGAAAAGGGTTGCAGCCTC  
 GACAGTCTGTTACAGATTACCTCATGGCTGTGAAGGAGGAGTCCCAGCAGCTGGAGGAAGAACTGGAGTC  
 CCTAGAAGAAAGGCTGGAAAAAATTCAGAAAGTCCACTTACATGGTACCAAAGTGAAGAGTAAGCAAAGT  
 GAGCCCAGCAAACACTCGGGTTCTCTACCTCAGACCACAGCACGCCAACACCCCTCAGGATTACAGTG  
 GGAACAGCAAGTCTTCCATCCAGGAGCCGTCACAGGGTATGAAGATTCTGCTGATTCTAACCCA  
 AGACAATTTAAAAAGCTCAGACCCCGACCTCTCAGTGAATAGTGATCAAGAGTCTGGGGTGGAGGATTTG  
 AGCTGTGATCTCCAGTGGTGGTGAAGCATGCACCCAGCGAAGACAGTGGCAAGGACCGGGACTCGGACG  
 AAGCTGTGTTTCTACTGCCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001040699
- Insert Size:** 1983 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\\_001040699.1](#), [NP\\_001035789.1](#)

**RefSeq Size:** 3446 bp

**RefSeq ORF:** 1983 bp

**Locus ID:** 54384

**UniProt ID:** [Q9Z2C9](#)

**Cytogenetics:** 8 A4

**Gene Summary:** Phosphatase that specifically dephosphorylates phosphatidylinositol 3-phosphate (PtdIns(3)P) and inositol 1,3-bisphosphate (Ins(1,3)P2).[UniProtKB/Swiss-Prot Function]