

## Product datasheet for **RN207050**

### Mtmr4 (NM\_001105827) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mtmr4 (NM_001105827) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtmr4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207050 representing NM_001105827 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTGAGGAGGGCCCCCAGCCTGGAGTACATCCAAGCCAAGGATCTGTTCCCCCCAAGGAAGCTGG  
TGAAGGAGGAGGAAAATCTTCAGGTACCTTCACAGTGTACAGGGTGAAGGAGTGAATTCCTGGGCC  
GGCAGCTGATGCCCTCATTGCAATCTCCAACACCGGCTGCATATCAAGTCAAAGACTGTGCATCAAC  
GTGCCCTCCGTATGATTGACAGTGTGAAAGCCGTGATATGTTTCAGTTGCACATTGCCTGCAAGGACT  
CTAAAGTGGTGAAGTGCCTTCTCCACTTTCAAGCAGTGCCAAGAGTGGCTCTCAAGGCTAAGCCGGGC  
CACAGCAAGACCTGCCAAGCCGAGGATCTCTTTGCCTTTGCCTACCATGCCTGGTGCCTGGGGTACTG  
GAGGAGGATCAGCATACCCACCTGTGTACAGCCAGGAGAGCACATCCGATGTGCACAGGAGGCCGAGCTCG  
CAAGGATGGGTTTTGACCTGCAGAAATGTCTGGAGAGTCTCGCATATCAACAGCAATTACAAGCTGTGCC  
TAGCTACCCCAAGAGCTGCTGGTTCTGTGTGGATCACAGATAAAGAGCTGGAGAATGTGGCTTCTTT  
CGCTCTTGGAAGCGCATCCCTGTTGTGGTGTACAGACACCTGCACAACGGGGTGCCTATTGCCCGTGA  
GCCAGCCTGAGATCAGCTGGTGGGGTGGCGCAATGCTGATGATGAATACCTCGTCACGTCCATTGCCAA  
AGCCTGCGCCTTAGACCCAGGGACCAGGGCCAGTGGGGGCTCCCTCAGTGTGGGACTAATGATGCCAGC  
GAGGCATGTGACACGGATTTTCGATTCTTCTGACTGCATGCTCTGGGTAGAGAGCACAGCAGCCCCC  
AAAACTGCTGATCCTGGATGCACGGTCTACACAGCAGCAGTGGCCAACCGGGCCAAGGTTGGAGGCTG  
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AACAGTTCAGTACCTCCGGCTGTGTGTAGCCAGATGCCAGATCCCAGCAACTGGTTGTGGCTCTGG  
AGAGTACCAAAATGGTACAGCACTGTGTCAGTGTGCTAAAAGCGGCTGTGTTGGTAGCCAATACAGTAGA  
TCGGGAAGGCCGGCTGTGCTGGTGCCTGCTGATGGTGGGATCGTACGCCACAGATGTAGCCCTG  
GCCAAAATACTACTGATCCGTATTACAGGACTCTGGAGGCTTCCAAGTGTAGTGGAGTCTGATTGGC  
TGGATTTTGGGCAACAAGTTTGGAGATCGCTGTGGCCATCAGGAAAATGCAGAGGACCAAAATGAACAGT  
TCCGGTGTCTCCAGTGGCTTATTCTGTACATCAGCTGCTTAAGCAGTTCCTTGCCTGTTTGAATTC  
AATGAAGCATTTCTGGTAAAAGTGGTGCAGCACACGTAATCCTGCCTCTACGGCACATTCCTGGCCAACA  
ACCCCTGCGAGCGAGAGAAGCGCAACATCTATAAACGGACATGCTCGGTGTGGGCACTCCTGCGAGCTGG  
CAACAAGAAGTTCATAACTTCTCTACACACCTGGGTGAGCATGGTCTACATCCCGTGTGCAGCTC



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CGGGCCCTGCACCTCTGGACAGCTGTTTACCTGCCTGCCTCATCGCCGTGCACCCTTGGAGAGGAGAATA  
 TGGATCTTTACCTTTCCCAAGTGGCTCAGAGCCAGGAATTTCTGGTCGTTCTCTGGACAGGTTACCTAA  
 AACAGATCCATGGATGATCTTCTTTCTGCCTGTGATACAAGCAGCCCCCTCACTCGTACTTCCAGTGAC  
 CCGAACCTGAATAACCACTGTGAGGAGTCCAGAGTCCAGCTGGAGCCCTGGCACAGCAATCTGAAGGAG  
 CAGAGGCAGTATAGAATCTGGAGTCGGAAGCCCCACAGCTGACTGTGGGAGACGTGGGCCCTCCTCCTCC  
 TCTGCCAGTAGCCAGAAAAGACTACTTGAGCAATAAACCTTTCAAGGGTCACAAAAGTTGTTCTCTTAGT  
 TATAAGTTGCTTAATACTTCTGTCTCTGGGAAATGAAGAACACCTCTGAGATCAAAGTCCCTGGAAGAAA  
 CTGAAGCACTGGCCCCGGGCCCTCCAGCCGAGAGGAGCAGAGTAGGACTTCTGATGGCTTAGGGGAGCC  
 ACCTGAACAGTGTCCAGAGAAGGAAGCTACCAGCTCACTCTCAATGTTTCCAGCAAGTGTGGAGGAGCC  
 TGTGATTTTCTGGGAGCCTCCCAGGATTCCTTTACAGGTAATCCCCAACAGCCCCATCTAGACTCCA  
 TGCAGGCTGTGCCATCAGGTGTACTCCAGATCACGGTCAGGGCAGCCTTTGCAACCCACCAAGTGTGC  
 CAGCCAACTCTCAAGAGCCAAATACTGACCTCATCAGCCAAGATCCCCCTGGGTCTATGGCAGGTATC  
 TCCTACCAGGAACAGCCTAGTTCTGTGTCGGATCTGATCTATAAGAAGGAAGATGCTGGCAAGAGAGGAA  
 GTAAAAATGGGCAGTTGGTGGAAAATCCTCGCTTTGGGAAAATGCCATTAGAGTTGGCCCGAAAGCCAAT  
 TTCTCAGAGCCAGATCAGTGAGTTCTCATTTTTAGGGTCAAACCTGGGACAGCTTCCAAGGGATGATGACG  
 TCATCCCCAGTGAGAGACCCTCCTCGGCGGCTGCTTGCTTATGGCTGTTGTAGCAAGAGGCCGAGCA  
 ATAAGCATATCCGAGCTGCAGCGCCCTGCTTTGGGGGCCAGTGGGCTCAGAGAGAAGGGATGAAGTCGCC  
 CGTCTGCTCTAGTCATTCCAATGGACACTGTACAGGCCAGGAGGAAAGAACAACCCGGATGTGGTTTTCC  
 AGTCATCCAAAGCAAGTCTCCAGCACAAGCCTTCTTCTGAGCTGCCCTTCTCCAGTGCCCTCCTCTCT  
 ACCTGGATGATGATGGACTCCCCTTTCCACGGATGTGATCCAACATAGGTTACGGCAGATCGAAGCAGG  
 GTACAAGCAAGAGGTAGAACAGCTACGTCGACAGGTTCCGAGAGCTTCAGATGAGGCTAGACATTCGTCAC  
 TGCTGTGCCCTCCAGCAGAGCCCCCATGGACTATGAGGATGACTTTACGTGTTAAAGGAGTCAGATG  
 GCAGTGACACTGAAGACTTTGGCTCTGATCACAGTGAGGACTGCCTTTCCAGAAGCAAGCTGGGAACCTGT  
 TGATAAGAAGGAGACGGAGGTGACTCGCTGGGTTCCAGACCATATGGCATCACACTGCTATAAAGTGTGAC  
 TGTGAATTCTGGTTGGCCAAACGAAGGCATCATTGCAGAAATTGTGGGAACGTATTTTGTCTGGATGCT  
 GCCACCTTAAGCTGCCATTCCCGATCAGCAACTCTATGACCCAGTTCTCGTCTGTAACCTCATGTTACGA  
 GCACATTCAGTGTCTCGTGCCAGGGAGCTCATGAGCCAACATCTGAAGAAACCCATTGCTACAGCTTCC  
 AGTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001105827

**Insert Size:**

3576 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\\_001105827.4](#), [NP\\_001099297.4](#)

**RefSeq Size:** 5684 bp

**RefSeq ORF:** 3576 bp

**Locus ID:** 287607

**Cytogenetics:** 10q26