

Product datasheet for **RR201026**

Mtmr2 (NM_001108123) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Mtmr2 (NM_001108123) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Mtmr2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR201026 representing NM_001108123
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAAGACTCGAGCTGCGAGAGTCTTGGCGCGCAGCTCCCGCGGCAAGGCTTCCCAGCGAGGACT
 CACTGTCCAGTGCTTCCACTTCTCATTTCAGAGAACTCGGTTTCATACCAAATCAGTTTCTGCTATATCATC
 AGATTCTATTTCAACCTCTGAGACAACCTCTCTCCTGATCTGAGGGTCTGAGGGAGGCAAAACAATTA
 GCAGAAATGGAGGAACCAGCCCTGCTTCCAGGAGAGAACATCAAAGATATGGCCAAAGATGTGACTTACA
 TATGTCGGTTCAGTGGTGTGTACGAGGGACGCTGACTGTCACAAATTACAGATTATATTTCAAGAGCAT
 GGAACGGGACCCCTCGTTTGTCTAGATGCTTCTCTTGGGGTGATAAGTAGAGTAGAAAAATCGGTGGT
 GCATCTAGCCGTGGTAAAAATTCTATGGCCTGGAAACGGTGTGCAAGGATATCAGGAATTTACGATTTG
 CTCATAAACAGAGGGGGAACAAGAAGATCAATATTTGAGAATCTAATGAAATATGCATTTCTGTGTC
 TAACGGCTTGCCCTTTTTGCTTTTGTAGATAAAGAAGTATCCCTGAAAATGGGTGAAAACGTATGAC
 CCCCTTCTAGAGTACAGAAGACAGGGGATTCCAAATGAAAGCTGGAGAATAACAAAGGTCAATGAACGCT
 ATGAACTCTGTGACACATATCCTGCCCTCTTGGCCGTGCCAGCAAACATTCCTGATGAGGAACTCAAGAG
 AGTGGCATCCTTCAGGTCCCGGGCCGGATCCCAGTTTTATCATGGATTCATCCTGAAAGTCAGGCCACA
 GTCACCCGCTGCAGCCAGCCATGGTTGGAGTGAGTGGGAAGCGCAGCAAAGAGGATGAGAAGTATCTTC
 AGGCCATCATGGACTCCAATGCCAGTCTCACAAAATATTTATATTTGATGCTCGGCCAAGTGTCAATGC
 TGTTGCCAATAAGGCAAAGGGCGGAGGTTATGAAAGTGAAGACGCTTATCAAATGCAGAACTCGTTTTCT
 CTGGACATTCATAATATCCATGTTATGAGAGAATCATTACGGAAGCTTAAGGAGATTGTACCCCAACA
 TTGAGGAAACTCACTGGTTGTCTAACTTAGAATCTACACACTGGCTGGAACACATCAAGTCATTCTTGC
 GGGGGCTCTTCGATTGCTGACAAGGTGGAGTCTGGGAAGACGCTGTGGTGGTGCAGTGCAGTGTGGG
 TGGGATCGCACAGCTCAGCTCACGTCCCTGGCCATGCTTATGCTGGATGGATACTATCGAACCATACGAG
 GATTTGAAGTCTTGTGGAGAAAGAGTGGCTAAGCTTTGGACATCGATTCCAACCTAAGAGTTGGCCATGG
 CGATAAGAACCATGCTGATGCAGACCGATCACCTGTTTTCTCAGTTCATTGACTGTGTCTGGCAGATG
 ACAAGACAGTTCCTACCGCATTTGAATCAATGAGTATTTCTCATTACCATCCTGGACCACTTGTACA
 GCTGTCTATTTGGGACATTCCTCTGTAACAGTGAACAGCAGAGGGGAAAAGAGAATCTTCCTAAGAAGAC
 AGTGTCACTGTGGTCTATATAAACAGCCAGCTGGAAGACTTCACTAATCCTCTTTTTGGGAGCTACTCC
 AATCATGTCTTTACCCAGTAGCCAGCATGCGCCACCTAGAGCTCTGGGTGGGCTATTATATAAGGTGGA
 ACCCCCGGATGAAACCACAGGAACCTATCCACAGCAGATACAAAGAACTTCTTGCCAAAAGAACAGAGCT
 TCAAAGAAAAGTAGAGGAACTTCAGAGAGAAAATTTCAAACCGCTCAACCTCCTCTTCAGAGAGAGCCAGC
 TCTCCGCACAGTGTGTGACTCCTGTCCAACTGTTGTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201026 representing NM_001108123
Red=Cloning site Green=Tags(s)

MEKSSSCESLGAQLPAARLPSEDSLSSASTSHSENSVHTKSVSAISSDSISTSADNFSPDLRVLREANKL
 AEMEEPALLPGENIKDMAKDVTYICPFTGAVRGTLTVTNYRLYFKSMERDPPFVLDASLGVISRVEKIGG
 ASSRGSENSYGLETVCKDINRLRFAHKPEGRTRRSIFENLMKYAFPVSNGLPLFAFEYKEVFPENGWKL
 YDPLLEYRRQGIPNESWRITKVNERYELCDTYPALLAVPANIPDEELKRVASFRRSRGRIPVLSWIHPESQAT
 VTRCSQPMVGVSGKRKSEDEKYLQAIMDSNAQSHKIFIFDARPSVNAVANKAKGGGYESEDAYQNAELVF
 LDIHNIHVMRESLRKLKEIVYPNIEETHWLSNLESTHWLEHIKILLAGALRIADKVESGKTSVVVHCSDG
 WDRTAQLTSLAMLMLDGYRTIRGFEVLVEKEWLSFGHRFQLRVGHGDKNHADADRSPVFLQFIDCVWQM
 TRQFPTAFEFNEYFLITILDHLYSCLFGTFLCNSEQQRGKENLPKKTVSLWSYINSQLEDFTNPLFGSYS
 NHVLYPVASMRHLELWVGYYIRWNPRMKPQEPHRSRYKELLAKRTELQRKVEELQREISNRSTSSSERAS
 SPAQCVTPVQTVV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001108123

ORF Size: 1929 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001108123.1](#), [NP_001101593.1](#)

RefSeq Size: 3818 bp

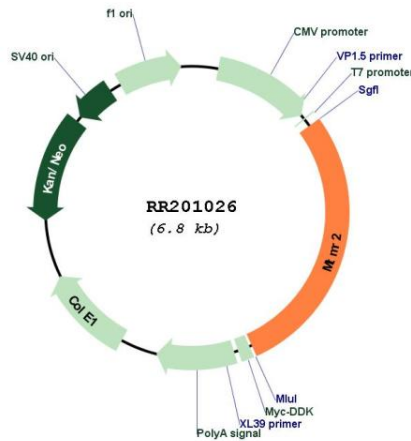
RefSeq ORF: 1932 bp

Locus ID: 315422

Cytogenetics: 8q12

MW: 73.3 kDa

Product images:



Circular map for RR201026