

Product datasheet for **RG214509**

MTMR11 (NM_181873) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTMR11 (NM_181873) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MTMR11
Synonyms:	CRA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG214509 representing NM_181873
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCCTCCAGGGTCACCTTCCAGCCCTGTGGATGGCAGTGAATCAGGACACTCCCTTGAACAGTGAAT
 ACGATTTTGCCTGGTCAACATTGGACGATTAGAGGCTGTGAGCGGCTTGTCCCAGTCCAGCTCCTCCG
 TCCAGGGTCCCTGCATAAATTTATCCCTGAGGAGATTCTGATTTCATGGCCGAGACTTCCGGCTGCTCAGA
 GTTGGTTTTGAGGCTGGAGGCTAGAGCCTCAGGCTTTTCAGGTGACCATGGCCATTGTCCAAGCCAGAG
 CTCAGAGCAATCAAGCCCAACAGTATTCGGGGATAACCCTGAGCAAGGCTGGCCAGGGTTCTGGCTCCAG
 AAAACCAACCAATTCCTCTCATGGAGACAGCGGAAGACTGGGAGACTGAGCGGAAGAAGCAGGCAGCCAGA
 GGCTGGAGGGTCAGCACGGTCAACGAGAGGTTTCGACGTAGCCACCAGCCTCCCCGTTACTTCTGGGTCC
 CTAACCGAATTCTGGACAGTGAAGTCAAGAGAGCATTGGCCACTTTCATCAGGGCCGTGGACCGCGCTT
 GTCCTGGCATCACCTGGGGCAGTGATCTTCTCCGCTGTGGAGGCTTCTATACAGCCAGTGACCCTAAC
 AAGGAGGATATCAGAGCAGTGGAGTTGATGCTCCAGGCTGGGCATTTCAGATGTTGTCTGGTAGACACTA
 TGGATGAGCTGCCAGCCTTGCAGATGTCCAACCTGCCACCTGAGGCTGAGGGCCCTCTGCCTGCCTGA
 TTCATCTGTAGCTGAGGATAAATGGCTTTCAGCCCTGGAAGGAACACGATGGCTGGACTATGTCAGGGCT
 TGTCTTCGAAAGGCCAGTGACATTTTCAGTATTAGTGACATCCAGGGTTCGTTCTGTAATACTTCAAGAGC
 GCGGTGATCGTGATCTCAATGGCTCCTCTCTTCACTCGTCCAGCTGCTTTCAGCCCCGAAGCCCGAAC
 ACTGTTTGGCTTCCAATCACTAGTACAGCGAGAGTGGGTGGCAGCTGGACATCCCTTCTGACTCGGCTT
 GGGGGAAGTGGGGCCAGTGAAGAGGCTCCGGTGTTCCTCTTCTTCTGATTGTGTCTGGCAGCTCCTCC
 AGCAGTTTCCAGCTGATTTTGAATTCCTGAGTTTTTCTTCTTCTGCTCTTCATGACAGTGTGAGGTTCC
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 ACACAAGTCTACACCCAGGATACTCCAGCCTCCAGCTGGGAACCTTTTAACTGCAGCTGTCTGTCT
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 CTCTTCTAGAGGAGCATTGACCCCTGAATCAGCTCTGTCTTGGCGGACAGTCTTCCCTGCTGG
 CAGTCTCTTCTGTTGGCTCCCTCGACCTGCTATCTCTCTGAAAGCCTGGCTGACCAGGAATGGGTCT
 CCCCTCACATTGGGGAGCTTGCCTTTACCTCCAGGGCTGCTGCTGCCTGGGTATCTGGACCCAGATC
 AGGCTCTGGAGAGCTGCTACCTGAGGGGAAGGCTGAGGTCCAGATGGGCTCTCAGCTCCACAATCT
 CTGGCCTCCAGGATGAGCTATCCCATCTTCAGGAGTTATTACGGAAATGGACACCAAGAATATCTCTGA
 GGATCACTCCAAGAAAAGAGATCCACATACCATTCTCAATCCCACTGAAATTGCTGGCATTCTCAAAGGC
 CAATCCCATCCCTTCTGGATAACCATGT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

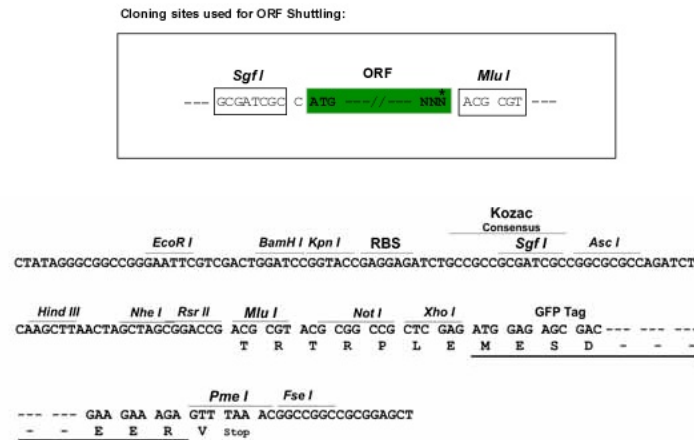
>RG214509 representing NM_181873
 Red=Cloning site Green=Tags(s)

MPPRVTFQPCGWQWQDTPLNSEYDFALVNIGRLEAVSGLSRVQLLRPGSLHKFIPEEILIHGRDFRLLR
 VGFEAGGLEPQAFQVTMAIVQARAQSNQAQQYSGITLSKAGQSGSRKPIPLMETAEDWETERKKQAAAR
 GWRVSTVNERFDVATSLPRYFWVPNRILDSEVRRAFGHFHQGRGPRLSWHHPGSDLLRCGGFYTASDPN
 KEDIRAVELMLQAGHSDVVLVDTMDELPSLADVQLAHLRLRALCLPDSSVAEDKWL SALEGTRWLDYVRA
 CLRKASDISVLVTSRVRSVILQERGDRLNGLSSLVQLLSAPEARTLFGFQSLVQREWVAAGHPFLTRL
 GGTGASEAPVFLFLDCVWQLLQFPADFEFSEFFLLALHDSVRVPDITLFLRNTPWERGKQSGQLNSY
 TQVYTPGYSQPPAGNSFNLQLSVWDWDLRYSNAQILQFQNPGYDPEHCPDSWLPRPQPSFMVPGPPSSVW
 LFSRGALTPLNLCPWRDPSLLAVSSRWLPRPAISSESLADQEWGLPSHWGACPLPPGLLLPGYLGPI
 RLWRRCYLRGRPEVQMGLSAPTISGLQDELSHLQELLRKWTPRISPEDHKKRDPHTILNPTEIAGILKG
 QSHPFWITRC

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181873

ORF Size: 1920 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_181873.3](#), [NP_870988.2](#)

RefSeq Size: 2368 bp

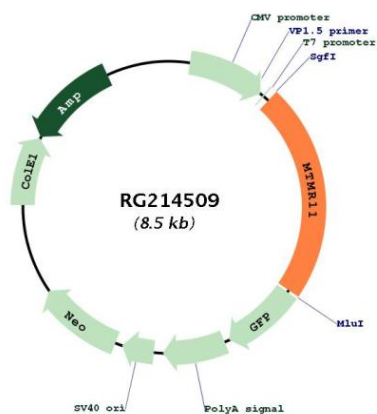
RefSeq ORF: 1923 bp

Locus ID: 10903

UniProt ID: [A4FU01](#)

Cytogenetics: 1q21.2

Product images:



Circular map for RG214509