

Product datasheet for **RG203449**

RMC1 (NM_013326) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RMC1 (NM_013326) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RMC1
Synonyms:	C18orf8; HsT2591; Mic-1; MIC1; WDR98
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG203449 representing NM_013326
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGCGAGGAGGACTACTATCTGGAGCTGTGCGAGCGGCCGGTGCAGTTCGAGAAGGCGAACCCCTGTCA
ACTGCGTCTTCTCGATGAGGCCAACAAAGCAGGTTTTTGTCTGTTTCGATCTGGTGGAGCTACTGGCGTGGT
AGTTAAAGGCCAGATGATAGGAATCCCATCTCATTAGAAATGGATGACAAAGGAGAAGTGAAGTGCATT
AAGTTTTCTTAGAAAATAAGATATTGGCTGTTTCAGAGGACCTCAAAGACTGTGGATTTTTGTAATTTTA
TCCCTGATAATCCAGCTGGAATACACACAGGAGTGAAGACTAAGAATGCCAACATTCTAGGATTCTG
CTGGACTAGTTCAACTGAAATTGTCTTCATAACAGATCAAGGAATCGAATTTTACCAGGTATTACCAGAG
AAACGGAGTCTGAAACTTTGAAGAGCCACAATCTCAATGTGAATTGGTACATGTACTGCCCGAGAGCG
CCGTGATCTTGTGTCTACCACGGTCTGGAGAATGCTCCTGCAGCCTTTTCACTTAGGGCTGGCACTAT
GTCGAAGCTGCCCAAATTTGAGATTGAATTACCAGCTGCGCCTAAGTCAACTAAACCCAGCCTTTCCGAA
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CCAACAGCACAGGAGCGGAGGTGGTCTCTATCATCTACCACGAGAAGGTGCCTGTAAAAAGATGCACAT
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CTTTGTGGAAAAGGAGATGCCTCATAAATTTGTGATAGCCGTGCTGATGGAATACATTGTTCTCTT
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TCTTTTATATGCTGCATCAGTTCCTGCAGTACCACGTCTCAGCGACTCCAAACCTTTGGCTGTCTGCT
GTTATCCCTAGAGAGTTTCTATCCTCCTGCTCATCAGCTATCTCTGGACATGCTGAAGCGACTTTCAACA
GCAAATGATGAAATAGTAGAAGTTCTCCTTTCCAAACACCAAGTGTAGCTGCCTTAAGGTTTATCCGGG
GCATTGGTGGCCATGACAACATTTCTGCACGAAAATTTTAGATGCTGCAAAGCAGACTGAAGACAACAT
GCTTTTCTATAACAATTTCCGCTTTTTTGAACAGCGAAACCAGCGTTTGGAGGGAGCCCAATTTACACA
CCAGGGGAACACTGTGAAGAACATGTTGCTTTTTTCAAACAGATTTTTGGAGACCAAGCTCTAATGAGGC
CTACAACATTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG203449 representing NM_013326
Red=Cloning site Green=Tags(s)

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MGEEDYYLELCERPVQFEKANPVNVCVFFDEANKQVFAVRSGGATGVVVKGPDDRNPISFRMDDKGEVKCI
KFSLENKILAVQRTSKTVDFCNFIPDNSQLEYTQECKTKNANILGFCWTSSTEIVFITDQGIEFYQVLPE
KRSLKLLKSHNLRNWNWYMYCPESAVILLSTTVLENLVLPFHFRAGTMSKLPKFEIELPAAPKSTKPSLSE
RDIAMATIYGQLYVFLRHHSRSTSNSTGAEVVL YHL PREGACKMHILKLNRTGK FALNVVDNLV VVHHQ
DTETSVIFDIKLRGEFDGSVTFHHPVLPARSIQPYQIPITGPAAVTSQSPVPCLYSSSWIVFQPDIIIS
ASQGYLWNLQVKLEPIVNL L PDKGR LMD FLLQRKECKM VILSVCSQMLSESDRASLPVIATVFDKLNHEY
KKYLD AEQSYAMAVEAGQSRSSPLLKRPVRTQAVLDQSDVYTHVLSAFVEKKEMPHKFVIAVLM EYIRSL
NQFQIAVQH YLHELVIKTLVQHNL FYMLHQFLQYHVLSDSKPLACLLLSLESFYPPAHQLSLDMLKRLST
ANDEIVEVLLSKHQVLAALRFIRGIGGHDNISARKFLDAAKQTEDNMLFYTIFRFFEQRNQR LRGSPNFT
PGEHCEEHVAFKQIFGDQALMRPTTF
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013326

ORF Size: 1971 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_013326.5](#)

RefSeq Size: 2173 bp

RefSeq ORF: 1974 bp

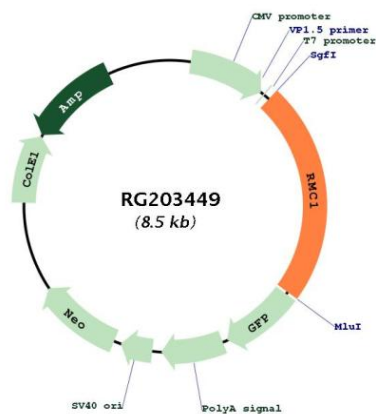
Locus ID: 29919

UniProt ID: [Q96DM3](#)

Cytogenetics: 18q11.2

Gene Summary: This gene encodes a colon cancer associated protein. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RG203449