

Product datasheet for **RG238899**

RMC1 (NM_001276342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RMC1 (NM_001276342) 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:

>RG238899 representing NM_001276342.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGGCGAGGAGGACTACTATCTGGAGCTGTGCGAGCGGCCGGTGCAGTTCGAGAAGGCCAACCTGTC
AACTGCGCTTTCTTCGATGAGGCCAACAGCAGGTTTTTGTCTTCGATCTGGTGGAGCTACTGGCGTG
GTAGTTAAAGGCCAGATGATAGGAATCCCATCTCATTTAGAATGGATGACAAAGGAGAAGTGAAGTGC
ATTAAGTTTTCTTAGAAAATAAGATATTGGCTGTTCCAGAGGACCTCAAAGACTGTGGTATTACCAGAG
AAACGGAGTCTGAAACTCTGAAGAGCCACAATCTCAATGTGAATTGGTACATGACTGCCCCGAGAGC
GCCGTGATCTTGCTGTCTACCACGGTCTCGAGAATGTCCTGCAGCCTTTTCACTTTAGGGCTGGCACT
ATGTCGAAGTGCCTAAATTTGAGATTGAATTACCAGTGCAGCTAAGTCAACTAAACCCAGCCTTTCC
GAAAGAGACATCGCAATGGCTACCATATACGGGCAGCTGTATGTTCTCTTCTTGAGGCATCATTCTCGG
ACCTCCAACAGCACAGGAGCGGAGGTGGTCTCTATCATCTACCAGGAGAAGTGCCTGTAAAAAGATG
CACATATTGAAGTTAAATAGGACGGGAAAGTTTGCCTGAACGTGGTGGACAACCTGGTAGTCGTGCAT
CATCAGGATACAGAGACATCGGTAATATTCGATATCAAGTTACGGGGAGAGTTTGACGGCTCCGTTACC
TTCCACCACCCCGTGCTCCCGCTCGATCGATCCAGCCCTATCAGATCCCATCACAGGTCTGTGCTGCC
GTGACCAGCCAGTCTCCTGTTCCATGTAACCTCTATTCTTCATCTTGATTGTCTTTCAACCTGACATC
ATTATCAGCGCAAGCCAAGGTTACCTCTGGAACCTCCAAGTAAAAGTGAAGCCATAGTAAATCTCTTA
CCAGACAAAGGAAGACTCATGGACTTTCTCCTCCAGAGAAAGGAATGCAAGATGGTACCTGTCTGTGTC
TGTTACAGATGTTAAGTGAGTCAGACAGAGCATCGCTGCCCGTGTATGCCACTGTTTTTGTAAACTC
AACCATGAGTATAAAAAGTACCTGGATGCCGAGCAGAGTTATGCGATGGCGGTGGAAGCAGGGCAGAGC
CGAAGCAGCCCGCTCCTCAAGAGCGCGGTGCCGACCCAGCGGTGCTGGACCAGTCAGATGTGTACACC
CATGTCCTGTGACGCTTTGTGAAAAGAAGGAGATGCCTCATAAATTTGTGATAGCCGTGCTGATGGAA
TACATTGTTCTCTTAACCAAGTTTCAGATTGCAGTACAGCATTACCTACATGAACTTGTTATCAAAACC
CTTGCCAGCACAACTCTTTTATGCTGCATCAGTTCCTGCAGTACCACGTCCTCAGCGACTCCAAA
CCTTTGGCTTGTGCTGTTATCCCTAGAGAGTTTCTATCCTCCTGCTCATCAGCTATCTCTGGACATG
CTGAAGATGCTGCAAAGCAGACTGAAGACAACATGCTTTTCTATAACAATATTCGCTTTTTTGAACAGC
GAAACCAGCGTTTGCAGGGAGCCCAATTTACACCAGGGGAACACTGTGAAGAACATGTTGCTTTTT
TCAAACAGATTTTTGGAGACCAAGCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

Protein Sequence:

>Peptide sequence encoded by RG238899
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MGEEDYILELCERP VQFEKANPVNVCVFDEANKQVFAVRSGGATGVVVKGPDDRNPISFRMDDKGEVKC
IKFSLENKILAVQRTSKTVVLPEKRSLKLLKSHNLNVNWMYCPESAVILLSTTVLENLQPFHFRAGT
MSKLPKFEIELPAAPKSTKPSLSERDIAMATIYGQLYVFLRHHSRTSNSTGAEVVLYHLPREGACKKM
HILKLNRTGKFAALNVVDNLVVVHHQDTETSVIDIKLRGEFDGSVTFHHPVLPARSIQPYQIPITGPAA
VTSQSPVPCKLYSSSWIVFPDIIISASQGYLWNLQVKLEPIVNLPLDKGRLMDFLLQRKECKMVLVSV
CSQMLSESDRASLPVIATVFDKLNHEYKYLDAEQSYAMAVEAGQSRSSPLLKRPVRTQAVLDQSDVYT
HVLSAFVEKKEMPHKFVIAVLMYIRSLNQFQIAVQHLYHELVIKTLVQHNLFYMLHQFLQYHVLSDSK
PLACL LLSLESFYPPAHLQLSLDMLKMLQSR LKTTCSIQYSAFLNSETSVCEGAPISHQNTVKNMLLF
SNRFLETKL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIIGDFKVMGTGFPE
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

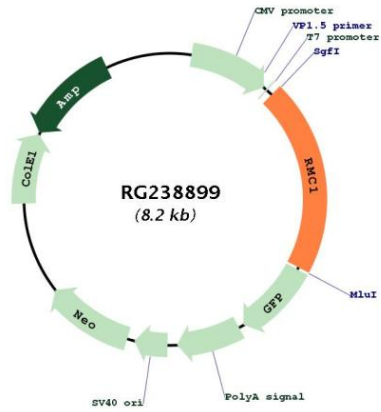
Restriction Sites:

SgfI-MluI

Cloning Scheme:


- ACCN:** NM_001276342
- ORF Size:** 1683 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).
- RefSeq:** [NM_001276342.1](#), [NP_001263271.1](#)
- RefSeq Size:** 1958 bp
- RefSeq ORF:** 1686 bp
- Locus ID:** 29919
- Cytogenetics:** 18q11.2
- MW:** 64.1 kDa
- Gene Summary:** This gene encodes a colon cancer associated protein. [provided by RefSeq, Jan 2013]

Product images:



Circular map for RG238899