

Product datasheet for **RC238899**

RMC1 (NM_001276342) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RMC1 (NM_001276342) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RMC1
Synonyms:	C18orf8; HsT2591; Mic-1; MIC1; WDR98
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238899 representing NM_001276342
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCGAGGAGGACTACTATCTGGAGCTGTGCGAGCGGCCGGTGCAGTTCGAGAAGGCCAACCCCTGTCA
 ACTGCGTCTTCTCGATGAGGCCAACAAAGCAGGTTTTTGTCTGTCGATCTGGTGGAGCTACTGGCGTGGT
 AGTTAAAGGCCAGATGATAGGAATCCCATCTCATTAGAAATGGATGACAAAGGAGAAGTGAAGTGCATT
 AAGTTTTCTTAGAAAATAAGATATTGGCTGTTTCAGAGGACCTCAAAGACTGTGGTATTACCAGAGAAAAC
 GGAGTCTGAAACTCTGAAGAGCCACAATCTCAATGTGAATTGGTACATGTACTGCCCGAGAGCGCCGT
 GATCTTGCTGTCTACCACGGTCTGGAGAATGCCTGCAGCCTTTTCACTTTAGGGCTGGCACTATGTCCG
 AAGCTGCCAAAATTTGAGATTGAATTACCAGTGCCTAAGTCAACTAAACCCAGCCTTTCCGAAAGAG
 ACATCGCAATGGCTACCATATACGGGCAGCTGTATGTTCTTCTTGGAGCATCATTCTCGGACCTCCAA
 CAGCACAGGAGCGGAGGTGGTCTCTATCATCTACCACGAGAAGGTGCCTGTA AAAAGATGCACATATTG
 AAGTTAAATAGGACGGGAAAGTTTGGCCGTAACCTGGTGGACAACCTGGTAGTCGTCATCATCAGGATA
 CAGAGACATCGGTAATATTCGATATCAAGTACGGGGAGAGTTTGACGGCTCCGTTACCTCCACCACCC
 CGTGCTTCCCCTCGATCGATCCAGCCCTATCAGATCCCATCACAGTCTGCTGCCGTGACCAGCCAG
 TCTCCTGTTCCATGTA AACTCTATTCTTCTCATCTTGGATTGCTTTCAACCTGACATCATTATCAGCGCAA
 GCCAAGTTACCTCTGGAACCTCCAAGTGA AACTTGAGCCCATAGTAAATCTCTTACCAGACAAAGGAAG
 ACTCATGGACTTTCTCCTCCAGAAAGGAATGCAAGATGGTATCCTGTCTGTCTGTTCACAGATGTTA
 AGTGAGTCAGACAGAGCATCGCTGCCCGTATAGCCACTGTTTTGATAAACTCAACCATGAGTATAAAA
 AGTACCTGGATGCCGAGCAGATTATGCGATGGCGGTGGAAGCAGGCGAGAGCCGAAGCAGCCGCTCCT
 CAAGAGCCCGGTGCGGACCCAGGCGGTGCTGGACCACTGAGTGTGTACACCCATGTCCTGTCAGCCTTT
 GTGAAAAGAAGGAGATGCCTCATAAATTTGTGATAGCCGTGCTGATGGAATACATTGTTCTCTTAACC
 AGTTTTAGATTGCAGTACAGCATTACCTACATGA AACTTGTATCAAAACCTTGTCCAGCACAACTCTT
 TTATATGCTGCATCAGTTCCTGCAGTACCAGTCTCAGCGACTCCAAACCTTTGGCTTGTCTGTGTTA
 TCCCTAGAGATTTCTATCCTCCTGCTCATCAGCTATCTCTGGACATGCTGAAGATGCTGCAAAGCAGAC
 TGAAGACAACATGCTTTTCTATAACAATATTCGGCTTTTTTGAACAGCGAAACAGCGTTTGGAGGGAGC
 CCCAATTTACACCAGGGGAACACTGTGAAGAACATGTTGCTTTTTTCAAACAGATTTTTGGAGACCAAG
 CTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238899 representing NM_001276342
 Red=Cloning site Green=Tags(s)

MGEEDYYLELCERPVQFEKANPVNCFVDFEANKQVFAVRS GGATGVVVKGPDDRNPISFRMDDKGEVKCI
 KFSLENKILAVQRTSKTVVLPEKRSLKLLKSHNLNWNWYMYCPESAVILLSTTVLENLVLPFHFRAGTMS
 KLPKFEIELPAAPKSTKPSLSERDIAMATIYGQLYVFLRHSRTSNSTGAEVLYHLPREGACKMHIL
 KLNRTGKFA LNVDNLVVVHHQDTETSVIDIKLRGEFDG SVTFHHPVLPARSIQPYQIPITGPAAVTSQ
 SPVPCKLYSSSWIVFPDIIISASQGYLWNLQVKLEPIVNLLPDKGRLMDFLLQRKECKMVL SVCSQML
 SESDRASLPVIATVFDKLNHEYKYLDAEQSYAMAVEAGQSRSSPLLKRPVRTQAVLDQSDVYTHVLSAF
 VEKKEMPHKFVIAVLMEYIRSLNQFQIAVQHLYHELVIKTLVQHNL FYMLHQFLQYHVLSDSKPLACLLL
 SLESFYPPAHL SLDMLKMLQSRLKTTCSIQYSAFLNSETSVCEGAPISHQGN TVKNMLLFSNRFLETK
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

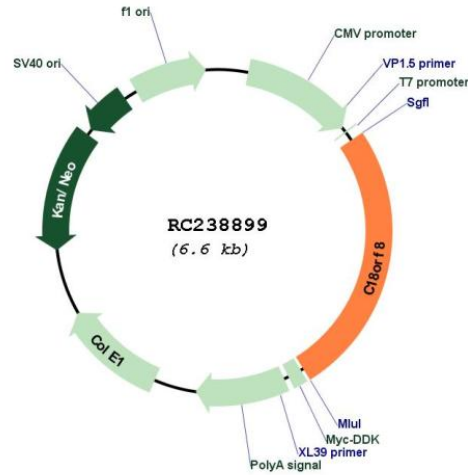
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none"> 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_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]