

Product datasheet for **RC239592**

RNF190 (MARCH10) (NM_001288780) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF190 (MARCH10) (NM_001288780) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MARCHF10
Synonyms:	MARCH-X; MARCH10; RNF190
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC239592 representing NM_001288780
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTGCATGACGCAAGGGACAGGCAGAAAGTTCTTCAGCGATGTTCAAGTATCTGCGGGACATGCAGCATA
 AGGTGGACTCTGAGTATCAGGCTTGTCTGAGACGACAGGAATATAGAAGAGACCCAAATGAGAAGAAACG
 CGATCAGTTTTGGGGCAAGAGACAAGTTTTGAGAGATCCCGTTTTCTAGCAGGTCATCTTCCAACACG
 AGTTCTAGTGAGGAGGATGCTCTAACTGAACCAAGGTCATCTATCAAGATATCTGCATTTAAGTGTGACT
 CCAAACCTCCAGCAATTGACCAACATCAGTCAAGCAGAAACATAAAAGTACCATGACTGTAAGGAAAGC
 AGAGAAAGTGGACCCAGCGAACCTCTCCAGACCAAGCACCAATGGTTTTATTAAGAAAGAGGAAGCCA
 AACCTGAGGAGATTTACAGTCAGCCAGAATCGCACAGCCGAGAGCATCTGGGGACAGAAGCAGACAGA
 AACAGCAGTGGCCTGCAAAGGTGCCGTTCCCAGGGGAGCAGATCAAGTAGTTCAACAAGAAGGCCTGAT
 GTGTAACACTAAGCTGAAGAGGCCAAATCAAGAGAGAAGAACTTGGTCCCATCGTCACAGCCAATGACT
 GAGAACGCCCTGATAGAGCCAAAAAGGAGACCCGAGTCTCTTCCCAGAGTGAGCTGCATCCAGCCC
 TGTCACAGGCTTCCAAGGAAAAATAGTCTCAAGTATTGAGTGAGTTCTCGGGGCCACCACTCACACC
 CACCACTGTAGGAGGGCCAAGAAAGGCATCATTTAGGTTCCGAGATGAAGACTTTTATTCATTTTGTC
 TTGAACAGCAGAAGAGAAAGCGATGACACTGAAGAGGAAACCCAGTCTGAAGAAATGTCTGTGGGTTGGT
 TGCGCTCACCCCTGTTCTCCTTCCCATCACAAAAGAAGTAGATTTGGGGGACATCGACCCCTCAGGCCAA
 AAATAAAATTTGAAGAAAATGCTGAAAATGTCAGAGGTCATTTTCAAGAAGAAGTGAGCCAGTCAT
 GGCTCATTGAGAATAAGCAATGCAATGGAGCCAGCAACAGAGCGGCTTCTGCTGGGCAAGGTTGTC
 AAGACCCCGGCTGCCTGATAGGAATCTGCTACAGAGAAGGACAGAGGTGGCAGTGAAAAATGCGAAAA
 GAGCCCTCTTTCGTGGGACACCAATCCGAGCCAGACAAGAGGTTGGTGTCAATGCTGAAAATGTATGG
 AGTGATTGATTTCTGTGGAACATAGGCCTGGCACCCATGATTCTGAAGGATACTGGAAAGACTATTTAA
 ACAGTTCTCAAAATCTCTTGACTACTTTATTTCTGGCAGACCAATATCTCCAAGATCATCAGTGAATTC
 ATCCTATAACCCCTCTGCATCATTCATGCATTCTGCTCTGAGAGATGATTTCCAGTAGACTTGTCAATG
 TCATCGACTTCAGTTCACAGCTCAGACTCAGAGGGAACTCAGGGTTTCATGTTTGCCAACCACTGTCTC
 CCATTAGAAATAGGACTCCATTTGCCAGTGCCGAAAACCAATAATTTCCAGTAAACAGTGCACACGA
 ATTTGCTGTGAGGAAGCAGAAGATACTACTTTAACAAGCCAGCCTCAGGGGCTCCACTATATACAGAT
 CTCTTAAATCCACAGGGCAATTTGCTTGTAGTGGATTCTTCCAGCTCCTCTCCATCAAGAATGAACT
 CAGAAGGCCATTTGCATGTGCTGGGTCTCTGCAAGAAAATACACCATTTACTTTCTTTCAGTGTCTCA
 TTTCCAAATCAAAATGATAATGGGAGCAGGATGGCAGCCTCTGGTTTCACAGATGAAAAGGAAACCACT
 AAGATAAAGGCAGACCCTGAGAACTCAAGAAATGCAAGAAAGTCTCCTGGAGGAGGACTCCGAGGAGG
 AGGGAGACTTGTGTCGCATCTGTGAGATAGCCGGGGTCCCCAAGCAACCCCTCCTGGAGCCTTGCGG
 CTGTGTGGGAAGCCTGCAGTTTGTTCATCAAGAGTGCCTGAAAAAGTGGCTGAAAGTAAAAAACATCA
 GGAGCAGATCTTGGTCCGTGAAGACCTGTGAGATGTGTAAGCAAGGCCTGCTGGTTGACCTGGGTGACT
 TTAACATGATTGAGTTCTACCAGAAGCACCAGCAATCTCAGGCACAAAACGAGCTGATGAATTCAGGCTT
 GTACCTGGTGTGCTGCTCACCTCTATGAGCAGAGGTTTGCAGAACTCATGAGGCTCAACCACAACCCAG
 GTGAAAAGAGAGAGGTTGTCAAGAAATACCCACAACCCAGAACAGAGGAAAATGAAAGTAGGTTTGGG
 GGCCAGTCTGCCATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

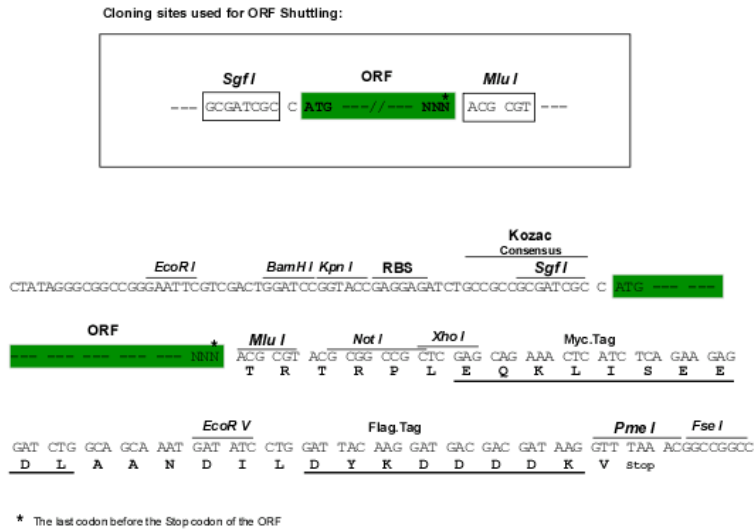
Protein Sequence: >RC239592 representing NM_001288780
 Red=Cloning site Green=Tags(s)

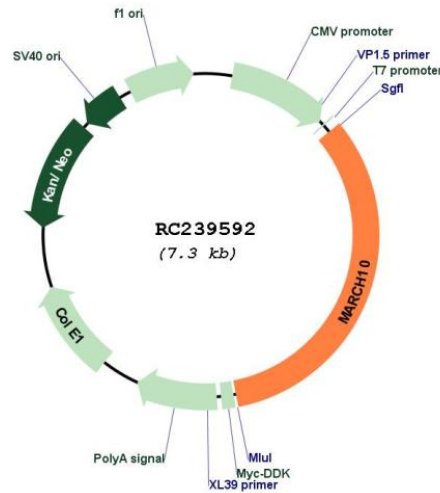
MLHDARDRQKFFSDVQYLQDMQHKVDSEYQAQLRRQEYRRDPNEKKRDQFWGQETSFERSRFSSRSSSKQ
 SSSEEDALTEPRSSIKISAFKCDKSLPAIDQTSVKQKHKSTMTVRKAEKVDSPSPDQAPMVLRLKRKP
 NLRRTVSPESHSPRASGDRSRQKQWPAPKVPVPRGADQVVQEQGLMCNTKLRPNQERRNLVPSSQPMT
 ENAPDRAKKGDPAPSQSELHPALSQAFQGKNSPQVLESEFSGPPLTPPTTVGGPRKASFRFRDEDFYSILS
 LNSRRESDDTEETQSEELWVGVRSRSPSPSHHKRSRFGGTSTPQAKNKNFEENAENCRGHSSRRSEPSH
 GSLRISNAMEPATERPSAGQRLSQDPGLPDRESATEKDRGGSENAKKSPLSWDTKSEPRQEVGVNAENVW
 SDCISVEHRPGTHDSEGYWKDYLNSSQNSLDYFISGRPI SPRSSVNSSYNPPASFMSALRDDIPVDLSM
 SSTSVHSSDSEGNSGFHVCQPLSPIRNRTPFAAENHNYFPVNSAHEFAVREAEDTTLTSQPQGAPLYTD
 LLLNPQGNLSLVDSSSSPSRMNSEGHLHVSGSLQENTPFTFFAVSHFPNQNDNGSRMAASGFTDEKETS
 KIKADPEKLLKQESLLEEDSEEGDLCRICQIAGGSPSNLLEPCGCVGSLQFVHQECLKKWLKVKITS
 GADLGAVKTCMCKQGLLVDLGFNMIEFYQKHQSSQAQNELMNSGLYL VLLLHLHYEQRF AELMRLNHNQ
 VERERLSRNPQPRTTEENESRFWGPVLPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001288780

ORF Size: 2397 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_001288780.2](#)

RefSeq Size: 3476 bp

RefSeq ORF: 2400 bp

Locus ID: 162333

UniProt ID: [Q8NA82](#)

Cytogenetics: 17q23.2

MW: 90.3 kDa

Gene Summary: MARCH10 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH enzymes add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments (Morokuma et al., 2007 [PubMed 17604280]).[supplied by OMIM, Apr 2010]