

Product datasheet for **SC337486**

RNF190 (MARCH10) (NM_001288780) Human Untagged Clone

Product data:

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



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001288780, the custom clone sequence may differ by one or more nucleotides

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ATGTTGCATGACGCAAGGGACAGGCAGAAGTTCCTCAGCGATGTTTCAGTATCTGCGGGACATGCAGCATA
AGGTGGACTCTGAGTATCAGGCTTGTCTGAGACGACAGGAATATAGAAGAGACCCAAATGAGAAGAAACG
CGATCAGTTTTGGGGCAAGAGACAAGTTTTGAGAGATCCCGTTTTCTAGCAGGTCATCTTCCAAACAG
AGTTCTAGTGAGGAGGATGCTCTAACTGAACCAAGGTCATCTATCAAGATATCTGCATTTAAGTGTGACT
CCAAACTTCCAGCAATTGACCAAACATCAGTCAAGCAGAAACATAAAAAGTACCATGACTGTAAGGAAAGC
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AACCTGAGGAGATTTACAGTCAGCCAGAAATCGCACAGCCGAGAGCATCTGGGGACAGAAGCAGACAGA
AACAGCAGTGGCCTGCAAAGGTGCCGTTCCAGGGGAGCAGATCAAGTAGTTCAACAAGAAGGCCTGAT
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TGTCAGGCCTTCCAAGGAAAAATAGTCTCAAGTATTGAGTGAGTTCTCGGGCCACCCTCACACC
CACCAGTGTAGGAGGGCCAAGAAAGGCATCATTTAGGTTCCGAGATGAAGACTTTTATTCCATTTGTCA
TTGAACAGCAGAAGAGAAAGCGATGACACTGAAGAGGAAACCCAGTCTGAAGAATGTCTGTGGGTTGGT
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ATTTGCTGTGAGGGAAGCAGAAGATACTACTTTAAACAGCCAGCCTCAGGGGCTCCACTATATACAGAT
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AGGGAGACTTGTGTGCATCTGTGAGATAGCCGGGGTCCCAAGCAACCCCTCCTGGAGCCTTGCGG
CTGTGTGGGAAGCCTGCAGTTTGTTCATCAAGAGTGCCTGAAAAGTGGCTGAAAGTGAATAACATCA
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TTAACATGATTGAGTTCTACCAGAAGCACCAGCAATCTCAGGCACAAAACGAGCTGATGAATTCAGGCTT
GTACCTGGTGTGCTGCTCACCTCTATGAGCAGAGGTTGCAGAACTCATGAGGCTCAACCACAACCCAG
GTGGAAAGAGAGGTTGTCAAGAAATACCCACAACCCAGAACAGAGGAAAATGAAAGTAGGTTTTGGG
GGCCAGTCTGCCATTTGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001288780

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001288780.1](#), [NP_001275709.1](#)

RefSeq Size: 3476 bp

RefSeq ORF: 2400 bp

Locus ID: 162333

UniProt ID: [Q8NA82](#)

Cytogenetics: 17q23.2

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]
Transcript Variant: This variant (4) differs in the 5' and 3' UTRs and contains multiple coding region differences, compared to variant 3. It encodes isoform 3, which is shorter and has a distinct C-terminus, compared to isoform 2.