OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC206159

MARCHF9 (NM_138396) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARCHF9 (NM_138396) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MARCHF9
Synonyms:	MARCH-IX; MARCH9; RNF179
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC206159 representing NM_138396
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTCAAGTCTCGGCTCCGCATGTTTCTGAACGAGCTGAAGCTGCTGGTGCTGACAGGCGGGGGGCGGC
CCCGGGCCGAGCCGCAACCCCGGGGGGGCCGGGGAGGCGGCTGCGGCTGGGCGCCCTTCGCTGGTTGCTC
CACCCGGGACGGCGACGGCGACGAGGAGGAGTACTACGGGTCGGAGCCGCGGGCCCGGGGCCTGGCCGGC
GACAAGGAGCCGCGGGCCGGACCCCTGCCGCCGCCCGCGCCGCCGCTGCCGCCCCCGGGCGCGCTGGACG
CCCTGTCGCTCAGCAGTAGCCTGGACAGCGGACTCCGAACCCCTCAGTGCCGGATCTGCTTCCAGGGCCC
GGAGCAGGGGGAGCTCTTAAGCCCCTGCCGCTGCGACGGCTCAGTGCGCTGCACGCATCAGCCCTGCCTC
ATCCGCTGGATCAGCGAGAGGGGCTCCTGGAGCTGTGAGCTCTGCTACTTCAAGTACCAGGTCCTGGCGA
TCAGCACCAAGAACCCACTGCAGTGGCAGGCCATCTCCCTGACGGTCATCGAGAAGGTCCAGATTGCTGC
CATAGTTCTGGGCTCGCTCTTCCTGGTTGCCAGCATCTCCTGGCTCATCTGGTCCTCACTCAGCCCTTCA
GCCAAGTGGCAACGACAGGATCTGCTCTTTCAGATCTGCTACGGCATGTATGGCTTCATGGATGTCGTCT
GCATAGGCCTCATCATCCATGAAGGCTCCTCTGTCTACCGCATCTTCAAGCGCTGGCAGGCAGTGAACCA
GCAGTGGAAGGTCCTAAATTATGACAAGACCAAGGACATAGGAGGAGATGCAGGGGGAGGGACGGCAGGG
AAGTCAGGCCCCAGGAACTCACGGACGGGCCCCACCTCTGGGGCCACGAGCCGCCCCCCAGCTGCCCAGC
GCATGCGGACGCTCTTGCCTCAGCGCTGCGGTTATACAATCTTGCACCTCCTTGGGCAGCTGCGGCCACC
AGATGCCCGTTCCAGCTCCCATTCTGGCCGAGAGGTTGTCATGAGGGTCACTACAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC206159 representing NM_138396
Red=Cloning site Green=Tags(s)

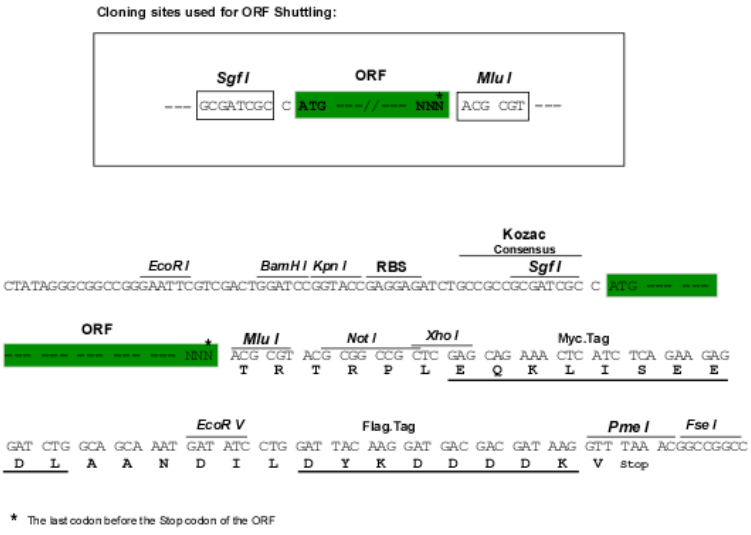
MLKSRLRMFLNELKLLVLTGGGRPRAEPQPRGGRGGGCGWAPFAGCSTRDGDGDEEEYYGSEPRARGLAG
DKEPRAGPLPPPAPPLPPPGALDALSLSSSLDSGLRTPQCRICFQGPEQGELLSPCRCDGSVRCTHQPCL
IRWISERGSWSCELCYFKYQVLAISTKNPLQWQAISLTVIEKVQIAAIVLGSLFLVASISWLIWSSLSPS
AKWQRQDLLFQICYGMYGFMDVVCIGLIIHEGSSVYRIFKRWQAVNQQWKVLNYDKTKDIGGDAGGGTAG
KSGPRNSRTGPTSGATSRPPAAQRMRTLLPQRCGYTILHLLGQLRPPDARSSSHSGREVVMRVTTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg4045_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_138396

ORF Size: 1038 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_138396.4, NP_612405.2

RefSeq Size: 2462 bp

RefSeq ORF: 1041 bp

Locus ID: 92979

UniProt ID: Q86YJ5

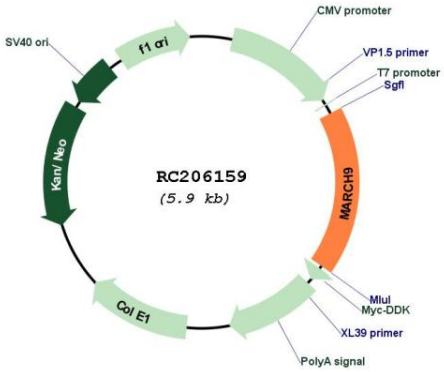
Cytogenetics: 12q14.1

Protein Families: Transmembrane

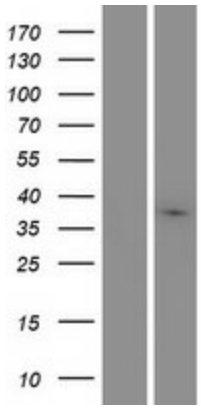
MW: 37.6 kDa

Gene Summary: MARCH9 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. MARCH9 induces internalization of several membrane glycoproteins and directs them to the endosomal compartment (Bartee et al., 2004 [PubMed 14722266]; Hoer et al., 2007 [PubMed 17174307]).[supplied by OMIM, Apr 2010]

Product images:



Circular map for RC206159



Western blot validation of overexpression lysate (Cat# [LY408660]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206159 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).