

Product datasheet for **SC323978**

MARCHF2 (NM_016496) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARCHF2 (NM_016496) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARCHF2
Synonyms:	HSPC240; MARCH-II; MARCH2; RNF172
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_016496.4
 CATTATCCAGCAGTGAAGTGTCTAGCGCAAGAGTTAGTAATTGCTCCCCTGTTCCCTTC
 ACCTCCCCACTTTGGAGCTCAGATTTGTTTTTTTGTGTTGTTGTTGCTTCTTTT
 GTTCTGTTTTAGAGACTGGAGACTGGGTCTTGCTCTGTTACCCAGGCTGGAGTGCAGTGG
 TGTGATCATAGCTCACTACAGCCTTGAAGTCTGGGCTCAAGAGGTTGAGGCTCCCTCCT
 CAGCCTCCCAAGTAGCTGGGACTACAGGCTTTCAGCACCATGCCTGGCTAATTCAAAAA
 ACCTTCAGAGAGATAGGGTCTCTCTATGTTGCCCTAGCTCGTCTCAAACCTCTGGCCTCA
 AGTGATCCTCCTGCTTGGACCTCCCAAAGCGCTGGGATTACAGGCTCCTGGAACCATGGG
 CCTCAGGCCCTGAGGATACGGGGCTCCCGGTGGCCATGACGACGGGTGACTGCTGCCACC
 TCCCCGGCTCCCTGTGTGACTGCTCCGGCAGCCCTGCCTTCTCCAAGGTCGTGGAGGCTA
 CGGGCCTCGGACCGCCCCAGTATGTGGCACAGGTGACTTCAAGGGATGGCCGGCTCCTCT
 CCACCGTCATCCGTACCTTGGACACACCGAGTGTGGTCTTTCTGCCGGATCTGCCATG
 AGGGAGCGAACGGGGAGTCTTGTCTGCCCGTGGCTGCACCGGCACGCTGGGTGCCG
 TGCATAAGAGCTGTCTGGAGAAGTGGCTTTCCTCATCTAACACCAGCTACTGCGAGCTGT
 GCCACACGGAGTTTGCAGTGGAGAAACGGCCTCGACCCCTCACAGAGTGGCTGAAGGACC
 CGGGGCCCGGACGGAGAAGCGGACACTGTGCTGCGACATGGTGTGTTTCTGTTTCATCA
 CACCGCTGGCCGCCATCTCAGGCTGGTGTGCCTGCGCGGGGCCAGGACCACCTCCGGC
 TCCACAGCCAGCTGGAGGCCGTGGGTCTCATTGCCCTCACCATCGCCCTTTCACCATCT
 ATGTCTCTGGACGCTGGTCTCCTTCCGCTACCACTGCCAGTGTACTCCGAGTGGAGAA
 AGACCAACCAGAAAGTTCGCCTGAAGATCCGGGAGGCGGACAGCCCCGAGGGCCCCCAGC
 ATTCTCCACTGGCAGCTGGACTCCTGAAGAAGTGGCAGAGGAGACACAGTATGAATGC
 TGGGCTCTCCGGACCCTGCAGCAGAGAGGCCAGAGGTAGCTGGTGATACCCTGTCTGTG
 GAAGACTTCCACTTCAACACTTCCACTTCAACAGTTCCCGCACGGCCTGAACGCTTCTT
 AGGCCAAGAGACACCATGCGGAGCCTAGTCTGTGATCCTGTGTAAGATATTTTCAGGGT
 TTTTTTTTTTTTTTTTTTGCATATGGAGGACAGGTGGACATGGTCTGAGCTCTGGACG
 GAGCAGGCACCCTGATCTCATTCTGAGGTCCACATGGCACCTTCTGGCCAGCAGCTGTG
 GCCGGTGTATCAAGGGCGCCCTTAAAGCTGGAACATTCCAGCAAGCTTCTTGGCGTTCTC
 TGCACCCGGCAGGCCACTTTCCTGGCACCCCTCGACTTATATAAAAGTTGCACTGCGTT
 TCAAAAACCCACCCTGAATGAATAAAAGGAGCCCTGGCTGGACAAAAAAAAAAAAAAAAAA
 AA
 AAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_016496

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_016496.4](#), [NP_057580.3](#)

RefSeq Size: 1705 bp

RefSeq ORF: 741 bp

Locus ID: 51257

UniProt ID: [Q9P0N8](#)

Cytogenetics: 19p13.2

Domains: RING

Protein Families: Druggable Genome, Transmembrane

Gene Summary: MARCH2 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. MARCH2 reduces surface accumulation of several glycoproteins and appears to regulate early endosome-to-trans-Golgi network (TGN) trafficking (Bartee et al., 2004 [PubMed 14722266]; Nakamura et al., 2005 [PubMed 15689499]).[supplied by OMIM, Mar 2010]
Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 4. Variants 1, 2, and 4-7 all encode the longer isoform (1).