

Product datasheet for SC113977

MARCHF5 (NM_017824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARCHF5 (NM_017824) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARCHF5
Synonyms:	MARCH-V; MARCH5; MITOL; RNF153
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113977 sequence for NM_017824 edited (data generated by NextGen Sequencing)

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ATGCCGGACCAAGCCCTACAGCAGATGCTGGACAGAAGTTGCTGGGTTTGTGGTACT
GATGAAGATGATAGAACAGCTGAATGGGTGAGACCATGCAGGTGCAGAGGATCTACAAA
TGGGTTACCAGGCCTGTCTACAACGCTGGGTGGATGAAAAGCAAAGAGGAAACAGTACA
GCCAGAGTGGCATGTCCTCAGTGAATGCTGAATACCTAATAGTTTTCCAAAATTGGGT
CCAGTGGTTTACGCTTGGATCTTGAGATAGACTGATCTCAAAAGCCTGTCCATTTGCT
GCAGCAGGAATAATGGTCGGCTCTATCTATTGGACAGCTGTGACTTATGGAGCAGTGACA
GTGATGCAGGTTGTAGGTCATAAAGAAGGCTGGATGTTATGGAGAGAGCTGATCCTTTA
TTCCTTTAATTGGACTTCCTACTATTCCTGTCATGCTGATATTAGCAAGATGATTCCG
TGGGAGGACTATGTGCTTAGACTGTGGCGCAAATACTCGAATAAACTACAAATTTAAAT
AGTATATTTCCAGGGATAGGTTGCCTGTTCTCGAATTCAGCTGAGGCCAATCCTTTA
GCAGATCATGTCTCTGCTACTCGAATCTTGTGTGGAGCCCTTGTCTTTCTACTATTGCT
ACAATAGTTGGTAAATTGATGTTTCAGTAGTGTTAACTCTAATTTACAAAGGACAATCTTG
GGTGGAATTGCGTTTGTGCCATAAAAGGAGCATTTAAAGTTTACTTCAAACAGCAGCAA
TATTTACGACAGGCACACCGCAAATTTCTGAATTATCCAGAACAAGAAGAAGCATAA

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Clone variation with respect to NM_017824.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_017824 unedited AACC GCGATTTTGTAAACCCCGACTTCACTATNAGGGCGGCACGCGCAATTCGGCACGAG GCCGGCAGCAACTCGGCGCCCGCGGTCCATGGACCGGAACCTCGGGCCGACGGACGGAA CCCGGGCCGCGATCGCCGCTCCCCGCCTCAGGCTCCTCCTCGCTCTCCGCCGCTC CGCGGACTCCCGCAGGCCCTGCACCGCCGCCAGGCTAGCTTTATCTGCCCCGGAA GCTGGGTGACGGGTTTCGGGCTGCCCGCGACTGCGGCTACTCCGCCGCTCTCAGTGC TATTGTCCTGGCCTGGCCTTGAGCGGGTCCACTGGGAAGGCGGTGTGCCCGGCTCC GCGGAAGATGCCGACCAAGCCCTACAGCAGATGCTGGACAGAAGTTGCTGGGTTTGTTT TGCTACTGATGAAGATGATAGAACAGCTGAATGGGTGAGACCATGCAGGTGCAGAGGATC TACAAAATGGGTTACCAGGCCTGTCTACAACGCTGGGTGGATGAAAAGCANAGAGGAAA CAGTACAGCCAGAGTGGCATGTCCTCAGTGCAATGCTGAATACCTAATAGTTTTTCCAAA ATTGGGTCCAGTGGTTTACGTCTGGATCTTGACAGATAGACTGATCTCAAAGCCTGTCC ATTTGCTGCAGCAGGAATAATGGTCGGCTCTATCTATTGGACAGCTGTGACTTATGGAGC AGTGACAGTGATGCAGGTTGTAAGTCATAAAAAAGGTCTGGATGTTATGGAGAGAGCTGA TCCTTTATTCCTTTAATTGGACTTCTACTATTCTGTGATGCTGATATTAAGCAAGAT GATTCGCTGGGAGGACTATGTGCTTAGACTGTGGCGCNATACTCCGAATAACTACAAATT TTAATAGTATATTTCCAGGGATAGGTTGTCCCGGTCTCGAATCN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_017824 unedited CCGCGGGCCGCAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGAGTAAAATAACTTT ATTTTTATTTTTGCAATCATCCTCTGCTCAAACACTATAAACTGGCAGCTGTAATTTT TAGAAATATGGGTTGAAAAAATCCCAGAGATGGAAGGACCTGATGAAACACTGAAACAC ACAAATACACACACACACACACACACACACACACACACACACACTGCATGAGTCAAAT TACTTCATGAAGTATGAGATGTCAACATTATGTAATAAAATTTAATATTGAAAAAGTGA TCTGGAAGCCCTGTGAATTTTTACCTACACATTTTGGAGGACATCACATGGGTTAAAGA AAACACCACAAAATCTCATTGTTTCAGATAATCATTGTAATGTTTACATACATTTTTGGT TATTTATTTATAACTAATTTAATTTACATTTCTCATATTAACATATCCTCTTATTTAGT ATGTAATCAAATATGTCAGTGAGAAAAATCCTCATAGTACCTTGAGTTGCTGATTCTGA GAAAACACTAAACATGAACATGTACAAAAGAGGCATTTGAATAAAACAGCATGTGCATTT TTTTAATATTTGCACAGTTTGATCTTTGCATTTCTGTCTGGAGAAAATATGAACAAAAC CCAGGTTTACCATGCTAAGATAATGGTTCATATGACTGCCATANNAGTAGTACATACAAA CAATGAANNACAATCACATCCTTAAGTTCCATGATTACCGAGATGATTTCCCTGCCCTA AGTGCTTTATTATATTTCTTAAAAATATANGAGCAGCAGCTTATCACAAGTCTNCACAAG TGCATTTATGATGGNATCANNACACACAGATTCTAGGATGAGAGACTGGCGACACCA GAANCAGTTTATGCTTCTCTGTCTGATAATCAGAATTTGCGGGTGCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_017824
Insert Size:	1960 bp
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:	<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:	<u>NM_017824.4</u> , <u>NP_060294.1</u>
RefSeq Size:	3941 bp
RefSeq ORF:	837 bp
Locus ID:	54708
UniProt ID:	<u>Q9NX47</u>
Cytogenetics:	10q23.32-q23.33
Domains:	RING
Protein Families:	Transmembrane
Gene Summary:	MARCH5 is a ubiquitin ligase of the mitochondrial outer membrane that plays a role in the control of mitochondrial morphology by regulating mitofusin-2 (MFN2; MIM 608507) and DRP1 (DNM1L; MIM 603850) (Nakamura et al., 2006 [PubMed 16936636]).[supplied by OMIM, Mar 2008]