

Product datasheet for **MC201918**

March5 (NM_027314) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	March5 (NM_027314) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	March5
Synonyms:	1810015H18Rik; 2310008I22Rik; 2700055A20Rik; 5730499H23Rik; E130202O05Rik; MARCH-V
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC064752 sequence for NM_027314

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CCCTGAGCGGGGCTGCGGGCGAGGGCCGAGCTCGCCGGCTCCGCGGAAGATGCCGGACCAAGCCCTTCAA
CAGATGCTGGACAGAAGTTGCTGGGTGTGCTTTGCCACCGATGAAGATGATAGAACAGCTGAGTGGGTGA
GACCATGCAGGTGCAGAGGATCTACTAAGTGCGTTTACCAGGCTTGCTCCAGCGCTGGGTAGATGAAAA
GCAAAGAGGAAACAGCACAGCCAGAGTGGCCTGTCTCAGTGCAACGCCGAGTACTTAATAGTGTTCCTCA
AAGCTGGGTCCAGTGGTTTATGCCTTGGATCTTGACAGATAGACTGATCTCAAAGCTTGCCTTTTGTCTG
CAGCAGGAATAATGGTTGGATCTATCTATTGGACAGCCGTGACTTATGGAGCAGTGACAGTGATGCAGGT
TGTAGGCCATAAAGAAGGGCTGGATGTTATGGAGCGAGCTGACCTTTATTTCTTTTATTGGACTTCTCT
ACTATTCCTGTCATGCTGATACTAGGCAAAATGATTCGCTGGGAGGACTATGTGCTTAGACTATGGCGCA
AATACTCAAATAAACTACAAATCTTGAACAGTATATTTCCAGGGATTGGTTGCTCTGCTCGAATTCC
AGCTGAAGCTAACCTTTAGCAGACCACGTCTCTGCTACCAGAATTTTGTGTGGAGCCCTGTCTTTCTCT
ACTATTGCACAATAGTTGGTAACTGATGTTTCAAGTGTAACTCAAATTTACAAAGGACAATCTTGG
GTGGAATTGCTTTTGTGCCATAAAAGGAGCATTAAAGGTTTACTTCAAACAGCAGCAATATTTACGTCA
GGCACACCGCAAAATCCTAAATTATCCAGAGCAAGAAGAAGCATAAACTGACTTCTGGTTGTTCTGAGG
CCTCTCATCTGACGAGTCTGTTGTGTTCTGATTCCATCATTAAATGCGCTAGTGGAGACTTGTGACGCTG
CTCCTATATTCTAAGAGATACAATAAAGCACGCAGGGCCGGGCAAGCCGCCAGTAATCACGGACCTAA
GGACACGCGTCAGCTCTGTCATTTGTATGTTCTACTTTTATGGCAGTCGGCTAAACCATTATTTTAGCAT
GGGAAACCTGAGTTTGTTCATATTTTCCAGACAAGAATGTAAAGATAAACTGTACAAACATTAAAAAGT
GGACATGTTTTATTCTGACGCCTCTTTTGTATATACTCAGTTCAGTGTTTTCTTAGGAATAGCAACTCGA
TGAAGGAAGTGTGAGGGCTTTTCTCATTGGTGTAAATTGATTGTATGCTACAAAGGAGCCTCTGTTAACAG
GAGGAAGTGTAACTAGTTCTGAATAAAATAACAAACCCAGAAATGTATGTCAGCATTGAAGTGATTATCT
GAACAAAAGAGATTTTGTCTTTCTTTTCTAAACCCATGTGACATCTCAGATGTGAAGGTCAGTTTCCAG
GGCTTCCAAAGCACTTTTCACTATTAACTTTATTTATGCAATGTATAAAAAAAAAA
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Restriction Sites:	RsrII-NotI
ACCN:	NM_027314



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Insert Size:	837 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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:	BC064752 , AAH64752
RefSeq Size:	1528 bp
RefSeq ORF:	837 bp
Locus ID:	69104
UniProt ID:	Q3KNM2
Cytogenetics:	19 C2
Gene Summary:	Mitochondrial E3 ubiquitin-protein ligase that plays a crucial role in the control of mitochondrial morphology by acting as a positive regulator of mitochondrial fission. May play a role in the prevention of cell senescence acting as a regulator of mitochondrial quality control. Promotes ubiquitination of FIS1, DNM1L and MFN1.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.