

Product datasheet for **SC328477**

MARCH I (MARCH1) (NM_001166373) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARCH I (MARCH1) (NM_001166373) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARCHF1
Synonyms:	MARCH-I; MARCH1; RNF171
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001166373 edited
ATGCTGGGCTGGTGTGAAGCGATAGCCCGTAACCCTCACAGAATCCAAACAACACGCGA
ACACCCGAGATCTCAGGGGATTTGGCTGACGCCCTCACAAACCTCCACATTGAATGAAAA
TCCCCAGGGCGATCTGCAAGTCGATCAAGTAACATTTCAAAGCAAGCAGCCCAACAACA
GGGACAGCTCCCAGGAGCCAGTCAAGGTTGTCTGTCTGTCCATCCACTCAGGACATCTGC
AGAATCTGTCACTGCGAAGGGGATGAAGAGAGCCCTCATCACACCCTGTGCTGCACT
GGGACACTGCGCTTTGTCCACCAGTCTGCCTCCACCAGTGGATAAAGAGCTCAGATACA
CGCTGCTGTGAGCTCTGCAAGTATGACTTCATAATGGAGACCAAGCTCAAACCCCTCCGG
AAGTGGGAGAAACTACAGATGACCACAAGTAAAGGAGGAAAAATATTCTGCTCTGCACA
TTCCACGTAATCGCGATCACCTGTGTGGTTTGGTCTTTGTATGTATTGATAGACCGGACA
GCGGAGGAAATCAAGCAAGGCAATGACAATGGTGTCTTGAATGGCCATTTTGGACAAAA
CTGGTTGTGGTAGCCATTGGCTTACAGGAGGTCTTGTCTTCATGTACGTACAGTGATAA
GTCTATGTTTCAGTTGTGGCGCAGGCTGAAGGCCTACAACCGTGTGATCTTTGTACAAAAT
TGCCCAGACACTGCCAAAAAAGTGGAGAAGAACTTCTCATGTAATGTAACACAGACATC
AAAGATGCTGTGGTAGTGCCTGTACCACAAACAGGTGCAAATTCAGTCCATCTGCAGAG
GGTGGCCCCCTGAAGTTGTATCAGTCTGA

Restriction Sites:	Please inquire
ACCN:	NM_001166373
Insert Size:	2900 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).



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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:	<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:	NM_001166373.1 , NP_001159845.1
RefSeq Size:	5502 bp
RefSeq ORF:	870 bp
Locus ID:	55016
UniProt ID:	Q8TCQ1
Cytogenetics:	4q32.2-q32.3
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>MARCH1 is a member of the MARCH family of membrane-bound E3 ubiquitin ligases (EC 6.3.2.19). MARCH proteins add ubiquitin (see MIM 191339) to target lysines in substrate proteins, thereby signaling their vesicular transport between membrane compartments. MARCH1 downregulates the surface expression of major histocompatibility complex (MHC) class II molecules (see MIM 142880) and other glycoproteins by directing them to the late endosomal/lysosomal compartment (Bartee et al., 2004 [PubMed 14722266]; Thibodeau et al., 2008 [PubMed 18389477]; De Gassart et al., 2008 [PubMed 18305173]).[supplied by OMIM, Mar 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.</p>