

Product datasheet for **SC300430**

MARCHF8 (NM_001002266) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MARCHF8 (NM_001002266) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARCHF8
Synonyms:	c-MIR; CMIR; MARCH-VIII; MARCH8; MIR; RNF178
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300430 representing NM_001002266. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCATGCCACTGCATCAGATCTCTGCCATTCCATCCCAGGATGCCATCTCTGCTAGAGTCTACAGA
AGTAAGACCAAAGAAAAGGAGAGGGAAGAACAAGATGAGAAGACTTTGGGACATTTTCATGAGTCATTCA
AGCAACATTTCTAAGGCTGGGAGTCTCCGTCCGTCAGCATCAGCTCCGGTCCGGTGTCTCTCTCGC
ACTTCTATCACGCCATCCAGCCAGGACATCTGCAGGATCTGCCACTGTGAAGGAGATGATGAGAGCCCC
CTGATCACCCCTGCCACTGCACAGGAAGCCTCCACTTCGTGCACCAGGCCTGCCTGCAGCAGTGGATC
AAGAGCTCCGACACGCGCTGCTGCGAGCTCTGCAAGTATGAGTTCATCATGGAGACCAAGCTGAAGCCA
CTGAGAAAATGGGAGAAGTTGCAGATGACGTCCAGCGAGCGCAGGAAGATCATGTGCTCAGTGACATTC
CACGTCATTGCCATCACATGTGTGGTCTGGTCTGTATGTGCTCATTGACCGTACTGCTGAGGAGATC
AAGCAGGGGCAGGCAACAGGAATCTAGAAATGGCCCTTTTGGACTAAATTGGTGGTTGTGGCCATCGGC
TTCACCGGAGGACTTCTTTTATGTATGTTCAAGTGTAAAGTGTATGTGCAATTGTGGAAGAGACTCAAG
GCCTATAATAGAGTGATCTATGTTCAAACTGTCCAGAAACAAGCAAAAAGAATATTTTTGAAAAATCT
CCACTAACAGAGCCCAACTTTGAAAATAAACATGGATATGGAATCTGTCAATCCGACACAACTCTTCT
TGTTGCACAGAGCCTGAAGACTGGAGCAGAAATCATTACGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001002266
Insert Size:	876 bp



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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:	<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_001002266.2</u>
RefSeq Size:	4812 bp
RefSeq ORF:	876 bp
Locus ID:	220972
UniProt ID:	<u>Q5T0T0</u>
Cytogenetics:	10q11.21-q11.22
Protein Families:	Druggable Genome, Transmembrane
MW:	33 kDa
Gene Summary:	<p>MARCH8 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. MARCH8 induces the internalization of several membrane glycoproteins (Goto et al., 2003 [PubMed 12582153]; Bartee et al., 2004 [PubMed 14722266]).[supplied by OMIM, Apr 2010]</p> <p>Transcript Variant: This variant (3) lacks an in-frame exon in the 3' coding region, compared to variant 4. This results in a shorter protein (isoform a), compared to isoform b. Variants 2 and 3 encode the same isoform (a).</p>