

## Product datasheet for **RC238944**

### **MARCHF8 (NM\_001282866) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MARCHF8 (NM_001282866) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MARCHF8
Synonyms:	c-MIR; CMIR; MARCH-VIII; MARCH8; MIR; RNF178
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238944 representing NM\_001282866  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCATGCCACTGCATCAGATCTCTGCCATTCCATCCCAGGATGCCATCTCTGCTAGAGTCTACAGAA  
 GTAAGACCAAAGAAAAGGAGAGGGAAGAACAAGAAATGAGAAGACTTTGGGACATTTTCATGAGTCATCAAG  
 CAACATTTCTAAGGCTGGGAGTCCCTCCGTCAGCATCAGCTCCGGTCCGGTGTCTCTCTCTCGCACT  
 TCTATCACGCCATCCAGCCAGGACATCTGCAGTCCAGTGCAGTGTCTCTGAGTGTGTACCACAGTT  
 CCGTGCAGTCTGCTGTTGCTCGAAAGCTCCTCACTGCCAGAGTTCTCTGACACAAGGGCTCACTGTGAC  
 AGTTATCTGTAAGGACACATTACAGGCGTCAAAGAGAAATTCCTTTGGTTCAGAATGGGCCAGGCCTTG  
 AAGCCTGCTAAGAATACCAAAGCCAGAAGAACAATAAGTTCTCAAGTCCCTCAATGATGTGGGTGAGA  
 AGGCGCAGGATACTTCAGAAAGTTTGCCTATGTGAAAGAACTTGTCTGAAGGGAAATTAATACTCCC  
 TCAAGATACGTGTCTCAGAACTAACAGTTTCATCATAAAGAAAAAAGAACCCCTGAACCACAAACCTCTT  
 GGCAATTCCAAACATTCTTGTGTTTCATGCCTTCTGCCGGTCCGTCACCTGCCTCAGAGGTGGAAGCTG  
 GCAAGGGGGCAGGCCCGCCGCTGCTGCTGGAAGAGAAGGCGGATGGTGAAGCCACGTCGCCAAGCCGGCA  
 ACTGCTCCAGTACCTGTTCTCACTCTCGCACGGCTTGAGCGCCAGCAGCCTGCACAGGTTCCATGAGCTG  
 GAGAGTGCAGTCTGCTCGCTGCACACTGCCAAGTCCCTCCAGCGGGCTGGCAGGGAGTATGGGCTTCTGCT  
 CTGACGAGATGGGAGACGACGATGTCTTTGAGGACAGCACATCTGCAAACTGAAGAGTAGGGTTCTGCG  
 GGCGCCCTCTGCTCCACGAAAAGGACAGCGACTGGATTGTCTTCTCCCTTCTGAAAAATACCC  
 CCCATATCTCCCGTGTCCACGTCAAGGGATGTCTGCAGGATCTGCCACTGTGAAGGAGATGATGAGAGCC  
 CCCTGATCACCCCTGCCACTGCACAGGAAGCTCCACTTCGTGCACAGGCCTGCCTGCACGATGGAT  
 CAAGAGTCCGACACGCGCTGCTGCGAGCTCTGCAAGTATGAGTTCATCATGGAGACCAAGCTGAAGCCA  
 CTGAGAAAATGGGAGAAGTTGCAGATGACGTCAGCGAGCGCAGGAAGATCATGTGCTCAGTGACATTCC  
 ACGTCATTGCCATCACATGTGTGGTCTGGTCTTGTATGTGCTCATTGACCGTACTGCTGAGGAGATCAA  
 GCAGGGGCAGGCAACAGGAATCTAGAATGGCCCTTTTGGACTAAATGGTGGTTGTGGCCATCGGCTTC  
 ACCGGAGGACTTCTTTTATGTATGTTCAAGTGTAAAGTGTATGTGCAATTGTGGAAGAGACTCAAGGCT  
 ATAATAGAGTGTCTATGTTCAAACTGTCCAGAAACAAGCAAAAAGAATATTTTGA AAAATCTCCACT  
 AACAGAGCCCAACTTTGAAAATAAATCATGGATATGGAATCTGTCATTCCGACACAACTCTTCTTGTG  
 ACAGAGCCTGAAGACACTGGAGCAGAAATCATTACGTC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238944 representing NM\_001282866  
 Red=Cloning site Green=Tags(s)

MSMPLHQISAIQSDAISARVYRSKTKEREREQNEKTLGHFMSSHSSNISKAGSPPSASAPAPVSSFSRT  
 SITPSSQDICSSSAVFSECHHSSVQSAVVSKAPHCQSSLTQGLTVTICKDTLQASKRNSFGSEWAQAL  
 KPAKNTKARRTLKFSRSLNDVGEKAQDTSESFAYVERTCSEGKLI LPQDTCLRTNRFHHKEKRTLNHKPL  
 GNSKHSCVSLSAGRSTASEVEAGGGRPGLLLEEKADGEATSRSRQLLQYLFSLSHGLSASSLHRFH  
 ESCAARLHTAKSSSLAGSMGFCSDMGDDDFEDSTS AKLKSRLVLRAPLCSTEKSDLDPCSPFSEKLP  
 PISPVSTSGDVCRICHCEGDDEPLITPCHCTGSLHFVHQAQLQWIKSSDTRCCELCKYEFIMETKLP  
 LRKWEKLQMTSSERRKIMCSVTFHVIAITCVVWSLYVLIDRTAEEIKQGQATGILEWPFWTKLVVAIGF  
 TGGLLFMYVQCKVYVQLWKRLKAYNRVIYVQNCPEPSSKKNIFEKSPLTEPNFENKHGYGICHSDTNSCC  
 TEPEDTGAEIIHV

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI



<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001282866.2</a>
<b>RefSeq Size:</b>	5658 bp
<b>RefSeq ORF:</b>	1722 bp
<b>Locus ID:</b>	220972
<b>UniProt ID:</b>	<a href="#">Q5T0T0</a>
<b>Cytogenetics:</b>	10q11.21-q11.22
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>MW:</b>	63.8 kDa
<b>Gene Summary:</b>	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]