

## Product datasheet for **SC100050**

### **MARCHF8 (NM\_145021) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MARCHF8 (NM_145021) Human Untagged Clone
Tag:	Tag Free
Symbol:	MARCHF8
Synonyms:	c-MIR; CMIR; MARCH-VIII; MARCH8; MIR; RNF178
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_145021, the custom clone sequence may differ by one or more nucleotides

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ATGAGCATGCCACTGCATCAGATCTCTGCCATTCCATCCCAGGATGCCATCTCTGCTAGAGTCTACAGAA
GTAAAGACCAAAGAAAAGGAGAGGGAAGAACAAGAAAGAGAACTTTGGGACATTTTCATGAGTCATTCAAG
CAACATTTCTAAGGCTGGGAGTCTCCGTCAGCATCAGCTCCGGCTCCGGTGTCTCCTTCTCTCGCACT
TCTATCACGCCATCCAGCCAGGACATCTGCAGGATCTGCCACTGTGAAGGAGATGATGAGAGCCCCCTGA
TCACCCCTGCCACTGCACAGGAAGCCTCCACTTCGTGCACCAGGCTGCCTGCAGCAGTGGATCAAGAG
CTCCGACACGCGCTGCTGCGAGCTCTGCAAGTATGAGTTCATCATGGAGACCAAGCTGAAGCCACTGAGA
AAATGGGAGAAGTTGCAGATGACGTCCAGCGAGCGCAGGAAGATCATGTGCTCAGTGACATTCACAGTCA
TTGCCATCACATGTGTGGTCTGGTCCTTGTATGTGCTCATTGACCGTACTGCTGAGGAGATCAAGCAGGG
GCAGGCAACAGGAATCCTAGAATGGCCCTTTTGGACTAAATTGGTGGTTGTGGCCATCGGCTTCACCGGA
GGACTTCTTTTTATGTATGTTTCAGTGTAAGTGTATGTGCAATTGTGGAAGAGACTCAAGGCCTATAATA
GAGTGATCTATGTTCAAACTGTCCAGAAACAAGCAAAAAGAATATTTTTGAAAAATCTCCACTAACAGA
GCCCACTTTGAAAAATAACATGGATATGGAATCTGTCATTCCGACACAAACTCTTCTTGTTCACAGAG
CCTGAAGACACTGGAGCAGAAATCATTACAGTCTGA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_145021 unedited  
 NGGGTTATTACCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTA  
 TATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGC  
 GGCCGCGAATTCGGCACGAGGGTTGGGATGAGCATGCCACTGCATCAGATCTCTGCCATT  
 CCATCCCAGGATGCCATCTCTGTAGAGTCTACAGAAGTAAGACCAAAGAAAAGGAGAGG  
 GAAGAACAGAATGAGAAGACTTTGGGACATTTTCATGAGTCATTCAAGCAACATTTCTAAG  
 GCTGGGAGTCCCTCCGTCAGCATCAGCTCCGGCTCCGGTGTCTCTCTCGCACTTCT  
 ATCAGCCATCCAGCCAGGACATCTGCAGGATCTGCCACTGTGAAGGAGATGATGAGAGC  
 CCCCTGATCACCCCTGCCACTGCACAGGAAGCCTCCACTTCGTGCACCAGGCCTGCCTG  
 CAGCAGTGGATCAAGAGCTCCGACACGCGCTGCTGCGAGCTCTGCAAGTATGAGTTCATC  
 ATGAGACCAAGCTGAAGCCACTGAGAAAATGGGAGAAGTTCAGATGACGTCCAGCGAG  
 CGCAGGAAGATCATGTGCTCAGTGACATTCCACGTCATTGCCATCACATGTGTGGTCTGG  
 TCCTTGTATGTGCTCATTGACCGTACTGCTGAGGAGATCAAGCAGGGGCAGGCAACAGGA  
 ATCCTATAAGGGCCCTTTGGACAAATTGGTGGGTGGCCATCGGCTTACCAGGAGACT  
 TCTTTTTATGTATGTTCACTGCAAAGCGCATGTGCCATTGTCGAAAAGACCCAGGCCCT  
 TTATAGAAAGGACTATTGTTCAAAACCGTCCCGAAACAACCAAAAAGAATATTTTTCGAA  
 AACTCCACCAT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_145021 unedited  
 TCNAACGTAATCTATGNACGCGGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 GGTGCAATTAACATCCCAGGTATAGCACAAACCCCTGTACAAAAAATTATTCAAGG  
 GGTAACTGAAAAACAGTGAACCCCAAAAAATACAAAAGTACCCATTTAGATCAC  
 TAAAACTTTTTAAGGGAAAAAATTTCAAAATGGGAAGGCCTTTAAAAACTACCCCC  
 CACATGCCAGGGGAAATTTGGTTTAAACAATCAATTTTTATAAACATTGGATTTAACTGGG  
 CACTGATAAACTGGACAATTTAAAAATTACTTCCAAGACAAAAATAATGCTTTTATTT  
 CCCTATGTTTTGGGCTTTCCTTGGGCTAAAAACAAAAGCTGCATGTTTCAAACCAATTT  
 CAAAGGAAAGCCCTTTAAAAACAAAAGGACTTCAATTGGGTTTTGCCTTTAGCCACAT  
 CCAAAGACTTGGGGATCTCACCCGGTGGTCCCAACCTTTTTCAACCCTGAAACCCAAG  
 CAGGGGGCAAAGGCCCCCAATTTGTCAAACATTACCGAGGTTCCAAAATGGCCCA  
 ACTGGCTTGGGCTGTTTGCCTGTGGCCAGTTAGGAACAATGTCCGGTTTTGAAAAACA  
 AGGCCCCCAAACTGAAAAAGTGGCGCAAACCAAGGGGGAAAAAATTTGAGGCGCT  
 CACGGGGGAAAGAACCTTTTATAGATTTTCCGAAAATCTTACCAAAAAATTTGGGCC  
 AAAAAACAATTTTTGGAGAGCAAAAACCTCTTTATGGTACCGGGGATT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_145021

**Insert Size:**

4700 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).

<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_145021.4</a> , <a href="#">NP_659458.2</a>
<b>RefSeq Size:</b>	2511 bp
<b>RefSeq ORF:</b>	876 bp
<b>Locus ID:</b>	220972
<b>UniProt ID:</b>	<a href="#">Q5T0T0</a>
<b>Cytogenetics:</b>	10q11.21-q11.22
<b>Domains:</b>	RING
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<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 (2) differs in the 5' UTR and 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>