

## Product datasheet for **RG211771**

### **MARCH8 (NM\_001002265) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MARCH8 (NM_001002265) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MARCH8
Synonyms:	c-MIR; MARCH-VIII; MIR; RNF178
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211771 representing NM_001002265 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCATGCCACTGCATCAGATCTCTGCCATTCCATCCCAGGATGCCATCTCTGCTAGAGTCTACAGAA  
GTAAGACCAAAGAAAAGGAGAGGGAAGAACAAGATGAGAAGACTTTGGGACATTCATGAGTCATTCAAG  
CAACATTTCTAAGGCTGGGAGTCTCCGTCAGCATCAGCTCCGGCTCCGGTGTCTCTCTCGCACT  
TCTATCACGCCATCCAGCCAGGACATCTGCAGGATCTGCCACTGTGAAGGAGATGATGAGAGCCCCCTGA  
TCAACCCCTGCCACTGCACAGGAAGCCTCCACTTCGTGCACCAGGCCTGCCTGCAGCAGTGGATCAAGAG  
CTCCGACACGCGCTGCTGCGAGCTCTGCAAGTATGAGTTCATCATGGAGACCAAGCTGAAGCCACTGAGA  
AAATGGGAGAAGTTGCAGATGACGTCCAGCGAGCGCAGGAAGATCATGTGCTCAGTGACATTCCACGTCA  
TTGCCATCACATGTGTGGTCTGGTCTTGTATGTGCTCATTGACCGTACTGCTGAGGAGATCAAGCAGGG  
GCAGGCAACAGGAATCCTAGAATGGCCCTTTGGACTAAATTGGTGGTTGTGGCCATCGGCTTACCAGGA  
GGACTTCTTTTATGTATGTTTCAGTGTAAGTGTATGTGCAATTGTGGAAGAGACTCAAGGCCTATAATA  
GAGTGATCTATGTTCAAACACTGTCCAGAAACAAGCAAAAAGAATATTTTTGAAAAATCTCCACTAACAGA  
GCCCAACTTTGAAAATAAACATGGATATGGAATCTGTCTATTCCGACACAAACTCTTCTTGTGCACAGAG  
CCTGAAGACTGGAGCGAAATCATTACGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG211771 representing NM\_001002265  
 Red=Cloning site Green=Tags(s)

MSMPLHQISAIPSQDAISARVYRSKTKEKEREQNEKTLGHFMSHSSNISKAGSPPSASAPVSSFSRT  
 SITPSSQDICRICHEGDDESPLITPCHCTGSLHFVHQACLQQWIKSSDTRCCELCKYEFIMETKPKPLR  
 KWEKLMQMTSSERRKIMCSVTFHVIAITCVVWSLYVLIDRTAEEIKQGQATGILEWPFWTKLVVVAIGFTG  
 GLLFMVYQCKVYVQLWKRLKAYNRVIYVQNCPETSKKNIFEKSPLTEPNFENKHGVIICHSDTNSSCCTE  
 PEDTGAEIIHV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001002265

**ORF Size:** 873 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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.

**RefSeq:** [NM\\_001002265.1](#), [NP\\_001002265.1](#)

**RefSeq Size:** 2604 bp

**RefSeq ORF:** 875 bp

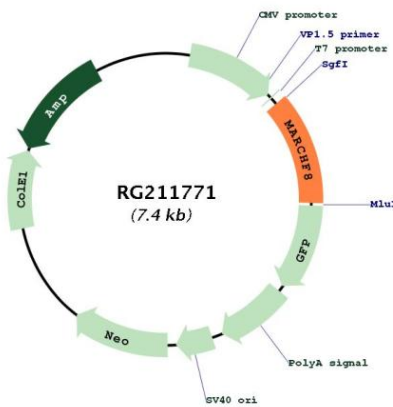
**Locus ID:** 220972

**Cytogenetics:** 10q11.21-q11.22

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:** 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]

### Product images:



Circular map for RG211771