

## Product datasheet for **RN207729**

### March2 (NM\_001034108) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** March2 (NM\_001034108) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** March2  
**Synonyms:** MARCH-II; RGD1306395  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN207729 representing NM\_001034108  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGACGACAGGTGACTGTTGCCACCTCCCTGGCTCCCTATGTGACTGCTCTAGCAGCCCTGCCTTTTCCA  
AGGTTGTGGAGGCCACAGGGCTTGGACCACCTCAGTATGTAGCTCAAGTACTTCAAGGGATGGCCGGCT  
GCTCTCAACTGTCATCCGGGCTTTGGATACACCGAGTACTGTCCCTTCTGCCGAATCTGCCATGAGGGA  
GCAAATGGGGAGAACTTGTGTCCCATGTGGCTGACTGGCACCCCTGGGAGCTGTGCACAAGAGCTGCC  
TGGAGAAATGGCTGTCTTCTCCAACACAGCTACTGTGAGCTGTGTCACTGAGTTTGCAAGTGGAAAA  
GCGGCCCGACCTCTCACAGAGTGGCTAAAGGACCCAGGGCCGCGCACCGAGAAGCGGACACTGTGCTGT  
GACATGGTGTGCTTTGTGTTTATCACACCACTGGCCGCCATCTCAGGCTGGCTGTGCCTGCGAGGGGCC  
AGGACCACCTCCGTCTGCATAGCCGGCTGGAGGCTGTAGGGCTCATTGCCCTCACCATCGCCCTTTTAC  
CATCTATGTGCTCTGGACACTGGTCTCTTCCGATACCATTGCCAGCTGTACTCGGAATGGAGGAAGACC  
AATCAGAAAGTCCGGCTGAAGATCCGGGAAGCAGATGGCTCCGAGGACCCTCACCCTCTTGTGGCTA  
CTGGACTTTTAAAAAAGGTGGCAGAGGAGACCCCTGT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001034108  
**Insert Size:** 741 bp



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<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_001034108.1</a></u> , <u><a href="#">NP_001029280.1</a></u>
<b>RefSeq Size:</b>	1306 bp
<b>RefSeq ORF:</b>	741 bp
<b>Locus ID:</b>	362849
<b>UniProt ID:</b>	<u><a href="#">Q5I0I2</a></u>
<b>Cytogenetics:</b>	7q13
<b>Gene Summary:</b>	E3 ubiquitin-protein ligase that may mediate ubiquitination of TFRC and CD86, and promote their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. E3 ubiquitin ligases accept ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfer the ubiquitin to targeted substrates. May be involved in endosomal trafficking through interaction with STX6.[UniProtKB/Swiss-Prot Function]