

## Product datasheet for **MC217996**

### March2 (BC002144) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: March2 (BC002144) Mouse Untagged Clone  
Tag: Tag Free  
Symbol: March2  
Synonyms: MGC7259  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
Fully Sequenced ORF: >BC002144  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACGACAGGTGACTGTTGCCACCTCCCTGGCTCCCTATGTGACTGTTTCGAGCAGCCCTGCCTTTTCCA  
AGGTTGTAGAGGCCACAGGGCTTGGCCACCTCAATATGTAGCACAAGTACTTCACGGGATGGCCGGCT  
GCTCTCAACTGTCATCCGGGCTTTGGATTACAGAGTACTGTCCCTTCTGCCGAATCTGCCACGAGGGA  
GCAAATGGGGAGAACTTGCTGTCCCATGTGGCTGCACGGGCACACTGGGAGCTGTGCACAAGAGCTGCC  
TGGAGAAATGGCTGTCTTCTCCAACACCAGCTACTGTGAGCTGTGTCACTGAGTTTGCAAGTGGAAAA  
GCGGCCCGACCTCTCACAGAGTGGCTAAAGGACCCAGGGCCGCGCACTGAGAAGCGAACACTGTGCTGT  
GACATGGTGTGCTTTGTGTTTCATCACACCACTGGCTGCCATCTCAGGCTGGCTTTGCCTGCGAGGGGCC  
AGGACCACCTCCGTCTGCATAGCCGGCTGGAAGCTGTAGGTCTCATTGCCCTCACCATCGCCCTTTTAC  
CATCTATGTGCTCTGGACTGGTCTCTTCCGATACCATTGCCAGCTGTACTCGGAATGGAGGAAGACA  
AATCAGAAAGTCCGCCTGAAGATTCGGGAAGCAGATGGCTCCGAGGATCCACATCACTCCTTGCTGGCTA  
CTGGACTCTTAAAAAGGTGGCAGAGGAGACCCCTGTGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: BC002144  
Insert Size: 741 bp



<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>	<a href="#">BC002144</a> , <a href="#">AAH02144</a>
<b>RefSeq Size:</b>	1376 bp
<b>RefSeq ORF:</b>	740 bp
<b>Locus ID:</b>	224703
<b>Cytogenetics:</b>	17 B1
<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]