

## Product datasheet for **MG203875**

### March1 (NM\_175188) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	March1 (NM_175188) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	March1
Synonyms:	2900024D24Rik; BB085186
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203875 representing NM_175188 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCTCCACCAGATTTCTGTAATCCCAGCCCGGGAGACGCCAGCAATGGGAGAAGTTCAATGGGCA  
GAAACAAAGAGAAGAACAAGGAAGTTGAGAATGAAAAGTCCCCAGGGCGATCTGCAAGTCGATCAAGTAA  
CATATCAAAGCAAGCAGCCCAACGACAGGGACAGCTCCCAGGAGCCAGTCAAGGTTGTCTGTCTGTCCA  
TCTACTCAGGACATCTGCAGGATCTGTCACTGCGAAGGAGATGAAGAGAGCCCACTCATCACACCCCTGTC  
GCTGCACAGGAACCTTGCCTTTGTCCACCAGTCTGCCTCCACCAATGGATCAAGAGCTCAGACACAGC  
ATGCTGTGAGCTCTGCAAGTATGACTTCATAATGGAGACCAAGCTCAAGCCCTTCGGAAGTGGGAAAAG  
CTCCAGATGACCACGAGCGAAAGGAGGAAAATATTCTGCTCTGTACGTTCCACGTCATCGCCGTCACCT  
GTGTGGTGTGGTCCTTGTATGTGTTGATAGATCGGACAGCGGAGGAAATCAAGCAAGGTAACGACAAATGG  
TGTGCTGGAAATGGCCATTTGGACAAAAGTGGTTGTGGTGGCTATTGGCTTACGGGAGGTCCTGCTTTC  
ATGTATGTACAGTGTAAAGTCTACGTCCAAGTGTGGCGCCGGCTGAAGGCCTACAACCGTGTGATCTTTG  
TGCAGAATTGCCAGACACTGCCAACAACTGGAGAAGAACTCCCGTGAATGTGAACACGGAAATCAA  
GGATGCTGTGGTTGTGCCTGTGCCACAGACAGGTTCAAATACACTGCCAACTGCAGAGGGAGCCCCACCT  
GAGGTTATACCAGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG203875 representing NM\_175188  
 Red=Cloning site Green=Tags(s)

MPLHQISVIPARETASNGRSSMGRNKEKNKEVENEKSPGRSASRSSNISKASSPTTGTAPRSQSRLSVCP  
 STQDICRICHCEGDEESPLITPCRCTGTLRFVHQSLHQWIKSSDTRCCELC KYDFIMETKLKPLRKWEK  
 LQMTTSERRKIFCSVTFHVIAVTCVWVSLYVLDRTAEEIKQGN DNGVLEWPFWTKLVVVAIGFTGGLVF  
 MYVQCKVYVQLWRRLKAYNRVIFVQNC PDTANKLEKNFPCNVNTEIKDAVVVPV PQTGSNTLPTAEGAPP  
 EVIPV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_175188

**ORF Size:** 855 bp

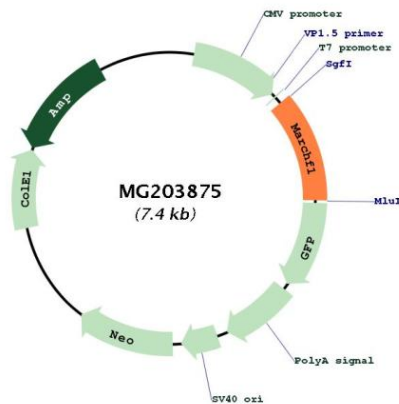
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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_175188.4</a></u>
<b>RefSeq Size:</b>	4391 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	72925
<b>UniProt ID:</b>	<u><a href="#">Q6NZQ8</a></u>
<b>Cytogenetics:</b>	8 B3.1
<b>Gene Summary:</b>	E3 ubiquitin-protein ligase that mediates ubiquitination of TFRC, CD86, FAS and MHC class II proteins, such as HLA-DR alpha and beta, and promotes their subsequent endocytosis and sorting to lysosomes via multivesicular bodies. By constitutively ubiquitinating MHC class II proteins in immature dendritic cells, down-regulates their cell surface localization thus sequestering them in the intracellular endosomal system.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG203875