

Product datasheet for **MR203875**

March1 (NM_175188) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: March1 (NM_175188) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: March1
Synonyms: 2900024D24Rik; BB085186
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR203875 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCCTCCACCAGATTTCTGTAATCCCAGCCCGGGAGACAGCCAGCAATGGGAGAAGTTCAATGGGCA
GAAACAAAGAGAAGAACAAGGAAGTTGAGAATGAAAAGTCCCCAGGGCGATCTGCAAGTCGATCAAGTAA
CATATCAAAGCAAGCAGCCCAACGACAGGGACAGCTCCAGGAGCCAGTCAAGGTTGTCTGTCTGTCCA
TCTACTCAGGACATCTGCAGGATCTGTCACTGCGAAGGAGATGAAGAGAGCCCACTCATCACACCCTGTC
GCTGCACAGGAACCTTGCCTTTGTCCACCAGTCTGCCTCCACCAATGGATCAAGAGCTCAGACACAGC
ATGCTGTGAGCTCTGCAAGTATGACTTCATAATGGAGACCAAGCTCAAGCCCTTCGGAAGTGGGAAAAG
CTCCAGATGACCACGAGCGAAAGGAGGAAAATATTCTGCTCTGTACGTTCCACGTCATCGCCGTACCT
GTGTGGTGTGGTCCTTGTATGTGTTGATAGATCGGACAGCGGAGGAAATCAAGCAAGGTAACGACAAATGG
TGTGCTGGAAATGGCCATTTGGACAAAAGTGGTTGTGGTGGCTATTGGCTTCACGGGAGGTCCTGTCTTC
ATGTATGTACAGTGTAAAGTCTACGTCCAAGTGTGGCGCCGGCTGAAGGCCTACAACCGTGTGATCTTTG
TGCAGAATTGCCAGACACTGCCAACAACTGGAGAAGAACTCCCGTGAATGTGAACACGAAATCAA
GGATGCTGTGGTGTGCCTGTGCCACAGACAGGTTCAAATACACTGCCAACTGCAGAGGGAGCCCCACCT
GAGGTTATACCAAGT

ACGCGTACGCGGGCCGCTCGAGCAGAAAAGTCACTCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203875 protein sequence
Red=Cloning site Green=Tags(s)

MPLHQISVIPARETASNGRSSMGRNKEKNKEVENEKSPGRSASRSSNISKASSPTTGTAPRSQSRLSVCP
 STQDICRICHCEGDEESPLITPCRCTGTLRFVHQSLHQWIKSSDTRCCELCCKYDFIMETKLKPLRKWEK
 LQMTTSERRKIFCSVTFHVIIVTCVWVSLYVLIDRTAEIKQGNNGVLEWPFWTKLVVVAIGFTGGLVF
 MYVQCKVYVQLWRRLKAYNRVIFVQNCPTANKLEKNFPCNVNTEIKDAVVVVPVQTSNTLPTAEGAPP
 EVIPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_175188

ORF Size: 858 bp

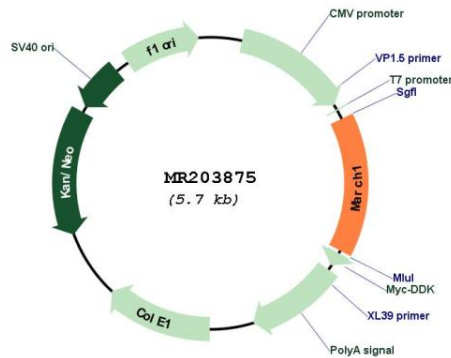
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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 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.

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:	<ol style="list-style-type: none">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_175188.4
RefSeq Size:	4391 bp
RefSeq ORF:	858 bp
Locus ID:	72925
UniProt ID:	Q6NZQ8
Cytogenetics:	8 B3.1
MW:	32 kDa
Gene Summary:	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 MR203875