

Product datasheet for MR215930

March1 (NM_001166375) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: March1 (NM_001166375) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: March1
Synonyms: 2900024D24Rik; BB085186
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR215930 representing NM_001166375
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCTCACTATGAGCAACATGACCAGCAGCCACATTTGCTGTAATTTTTAAATATGTGGAAAAA
 GCAAGATATCAACCATGTATTACCTTAATCAAGATGCCAAATTATCTAATTGTTTCTCCAGGCAAGCAG
 CCCAACGACAGGGACAGCTCCCAGGAGCCAGTCAAGTTGTCTGTCTGTCCATCTACTCAGGACATCTGC
 AGGATCTGTCACTGCGAAGGAGATGAAGAGAGCCCACTCATCACACCCTGTGCTGCACAGGAACCTTGC
 GCTTTGTCCACCAGTCTGCCTCCACCAATGGATCAAGAGCTCAGACACACGATGCTGTGAGCTCTGCAA
 GTATGACTTCATAATGGAGACCAAGCTCAAGCCCTTCGGAAGTGGGAAAAGCTCCAGATGACCACGAGC
 GAAAGGAGGAAAAATTCTGCTCTGTACGTTCCACGTATCGCCGTACCTGTGTGGTGTGGTCCCTTGT
 ATGTGTTGATAGATCGGACAGCGGAGGAAATCAAGCAAGTGTGCTGGAATGGCCATTTGGACAAAAC
 GGTTGTGGTGGCTATTGGCTTACGGGAGGTCTCGTCTTCATGTATGTACAGTGTAAAGTCTACGTCCAA
 CTGTGGCGCCGGCTGAAGGCCTACAACCGTGTGATCTTTGTGCAGAATTGCCAGACACTGCCAACAAAC
 TGGAGAAGAACTCCCGTGAATGTGAACACGGAAATCAAGGATGCTGTGTTGTGCTGTGCCACAGAC
 AGGTTCAAATACACTGCCAACTGCAGAGGGAGCCCCACCTGAGGTTATACCAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215930 representing NM_001166375
Red=Cloning site Green=Tags(s)

MNLTMSNMTSSHICCNFLNMWKKISKISTMYLNLQDAKLSNLFQASSPTTGTAPRSQSRLSVCSTQDIC
 RICHCEGDEESPLITPCRCTGTLRFVHQSLHQWIKSSDTRCCELCKYDFIMETKPKLKWELQMTTS
 ERRKIFCSVTFHVIAVTCVWWSLYVLIDRTAEEIKQGVLEWPFWTKLVVAIGFTGGLVFMVYQCKVYVQ
 LWRRLKAYNRVIFVQNCPTANKLEKNFPCNVNTEIKDAVVVPVPTGSNTLPTAEGAPPEVIPV

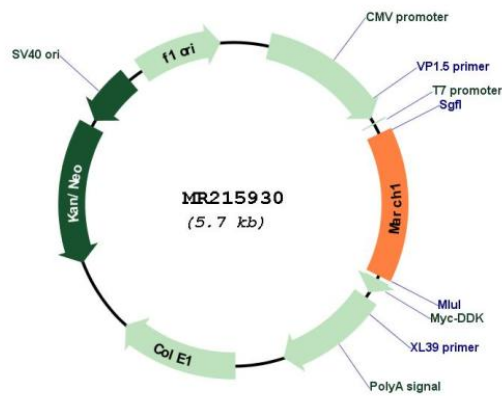
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001166375
ORF Size: 825 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:	<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_001166375.1 , NP_001159847.1
RefSeq Size:	3942 bp
RefSeq ORF:	828 bp
Locus ID:	72925
UniProt ID:	Q6NZQ8
Cytogenetics:	8 B3.1
MW:	31.8 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]