

Product datasheet for **MR228754**

March2 (NM_001252480) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: March2 (NM_001252480) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: March2
Synonyms: 9530046H09Rik; MARCH-II
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR228754 representing NM_001252480
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGACAGGTGACTGTTGCCACCTCCCTGGCTCCCTATGTGACTGTTGAGCAGCCCTGCCTTTTCCA
AGGTTGTAGAGGCCACAGGGCTTGGCCACCTCAATATGTAGCACAAGTGACTTCACGGGATGGCCGGCT
GCTCTCAACTGTCATCCGGGCTTTGGATTACAGAGTGACTGTCCCTTCTGCCGAATCTGCCACGAGGGA
GCAAATGGGGAGAACTTGTGTCCCATGTGGCTGCACGGGCACACTGGGAGCTGTGCACAAGAGCTGCC
TGGAGAAATGGCTGTCTTCTCCAACACAGCTACTGTGAGCTGTGTCACTGAGTTTGCAGTGGAAAA
GCGGCCCCGACCTCTCACAGAGTGGCTAAAGGACCCAGGGCCGCGCACTGAGAAGCGAACACTGTGCTGT
GACATGGTGTGCTTTGTGTTTCATCACACCACTGGCTGCCATCTCAGGCTGGCTTTGCCTGCGAGGGGCC
AGGACCACCTCCGTCTGCATAGCCGGCTGGAAGCTGTAGGTCTCATTGCCCTCACCATCGCCCTTTTAC
CATCTATGTGCTCTGGACACTGGTCTTTTCCGATACCATTGCCAGCTGTACTCGGAATGGAGGAAGACA
AATCAGAAAGTCCGCCTGAAGATTCGGGAAGCAGATGGCTCCGAGGATCCACATCACTCCTTGCTGGCTA
CTGGACTCTTAAAAAAGGTGGCAGAGGAGACCCCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR228754 representing NM_001252480
 Red=Cloning site Green=Tags(s)

MTTGDCCHLPGSLCDCSSSPAFSKVVEATGLGPPQYVAQVTSRDGRLSTVIRALDSQSDPCFCRICHEG
 ANGENLLSPCGCTGTLGAVHKSCLEKWLSSNNTSYCELCHTEFAVEKRPRPLTEWLKDPGPRTEKRTLCC
 DMVCFVFITPLAAISGWLCLRGAQDHLRLHSRLEAVGLIALTIALFTIYVLWTLVSFRYHCQLYSEWRKT
 NQKVRLKIREADGSEDPHHSLLATGLLKKVAEETPV

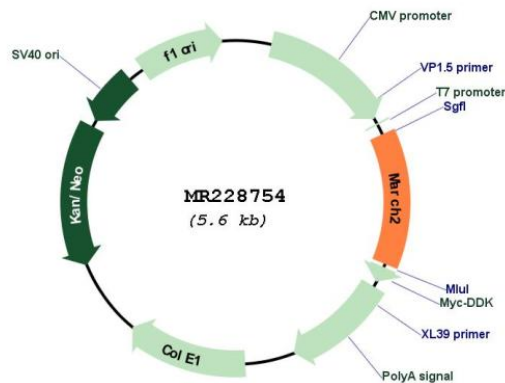
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252480
ORF Size: 738 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_001252480.1 , NP_001239409.1
RefSeq Size:	1415 bp
RefSeq ORF:	741 bp
Locus ID:	224703
UniProt ID:	Q99M02
Cytogenetics:	17 B1
MW:	27.6 kDa
Gene Summary:	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]