

Product datasheet for **MG216254**

March3 (NM_177115) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: March3
Synonyms: 6330411115Rik; A530081L18Rik; A1843639; MARCH-III
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216254 representing NM_177115
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACAACCAAGTCGCTGCAGTCACCTGCCGAAGTCTTCCAGACTGCACCAGCTCAGCCGCGCCTGTGG
 TGAAGACGGTGGAGGATTGTGGCAGCCTAGTGAATGGCAGCCACAGTATGTCATGCAAGTTTCAGCCAA
 GGACGGCAGCTGCTGTCAACAGTAGTGGCAGCTCTTCCACCCAGAGCCCTTCAATGACCGCCAATG
 TGCAGGATCTGCCATGAGGGAAGCAGCCAAGAGGACTTACTCTCCGTGTGAATGTACTGGACCTTGG
 GGACCATCCATCGGAGCTGCCTGGAGCACTGGCTGTCATCCTCAAATACCAGCTACTGTAACTCTGCCA
 CTTAGGTTTGCAGTGGAGCGCAAACCCAGGCCGTTAGTGGAGTGGCTTAGAAAACCTGGCCCCAGCAT
 GAGAAGCGGACTCTGTTTGGAGATATGGTGTGCTTCTGTTTATAACGCCCTGGCTACCATCTCAGGCT
 GGCTGTGCTGCGGGGGCCGTGGATCACCTGCACTTTAGTAGCCGGCTGGAGGCCGTCGGACTCATTGC
 CCTCACTGTGGCACTCTTACCATTACCTCTTCTGGACACTAAGGCGTTATGGACACCAAAGTAAACCA
 TTTTGAATCAGTCGAGCAGAAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216254 representing NM_177115
 Red=Cloning site Green=Tags(s)

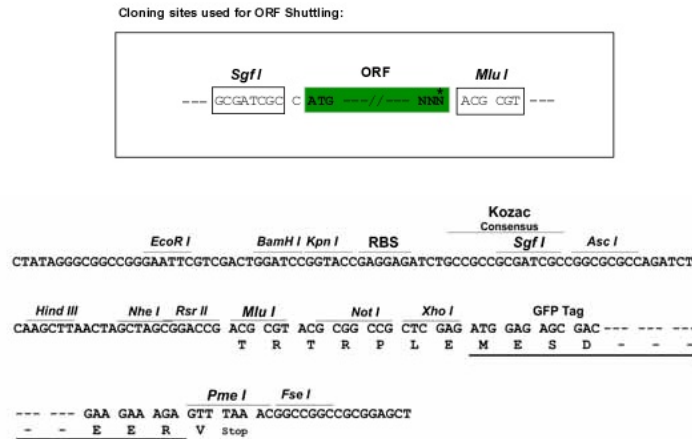
MTT SRC SHL PEVLPDCTSSAAPVVKTVEDCGSLVNGQPQYVMQVSAKDGQLLSTVVRTLATQSPFNDRPM
 CRICHEGSSQEDLLSPCECTGLGTIHRSCLEHWLSSSNTSYCELCHFRFAVERKPRPLVEWLRNPGPQH
 EKRTLFGDMVCFLFITPLATISGWLCLRGAVDHLHFSSRLEAVGLIALTVALFTIYLFWTLRRYGHQSKP
 FWNQSSRS

TRTRPLE - GFP Tag - V



Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177115

ORF Size: 654 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177115.3](#)

RefSeq Size: 1754 bp

RefSeq ORF: 657 bp

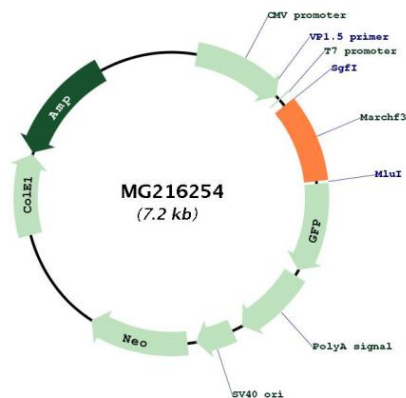
Locus ID: 320253

UniProt ID: [Q8BRX9](#)

Cytogenetics: 18

Gene Summary: E3 ubiquitin-protein ligase which may be involved in endosomal trafficking. 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.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216254