

Product datasheet for **RG215645**

MARCHF5 (NM_017824) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MARCHF5 (NM_017824) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: MARCHF5
Synonyms: MARCH-V; MARCH5; MITOL; RNF153
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG215645 representing NM_017824
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCGGACCAAGCCCTACAGCAGATGCTGGACAGAAGTTGCTGGGTTTGTGGTACTGATGAAGATG
ATAGAACAGCTGAATGGGTGAGACCATGCAGGTGCAGAGGATCTACAAAATGGGTTACCAGGCCTGTCT
ACAACGCTGGGTGGATGAAAAGCAAAGAGGAAACAGTACAGCCAGAGTGGCATGTCCTCAGTGAATGCT
GAATACCTAATAGTTTTCCAAAATGGGTCCAGTGGTTACGTCTGGATCTTGCAGATAGACTGATCT
CAAAGCCTGTCCATTTGCTGCAGCAGGAATAATGGTCGGCTCTATCTATTGGACAGCTGTGACTTATGG
AGCAGTGACAGTGCAGGTTGTAGGTCATAAAGAAGGTCTGGATGTTATGGAGAGAGCTGATCCTTTA
TTCCTTTTAATTGGACTTCTACTATTCCCTGTCATGCTGATATTAGGCAAGATGATTCGCTGGGAGGACT
ATGTGCTTAGACTGTGGCGCAAATACTCGAATAAACTACAAAATTTAAATAGTATATTTCCAGGGATAGG
TTGTCCTGTTCTCGAATTCAGCTGAGGCCAATCCTTTAGCAGATCATGTCTCTGCTACTCGAATCTTG
TGTGGAGCCCTTGTCTTCTACTATTGCTACAATAGTTGGTAAATTGATGTTTCAGTAGTGTAACTCTA
ATTTACAAAGGACAATCTGGGTGGAATTGCGTTTGTGCCATAAAGGAGCATTAAAGTTTACTTCAA
ACAGCAGCAATATTTACGACAGGCACACCGCAAATTCGAATTATCCAGAACAAGAAGAAGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

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.

RefSeq: [NM_017824.5](#)

RefSeq Size: 3941 bp

RefSeq ORF: 837 bp

Locus ID: 54708

UniProt ID: [Q9NX47](#)

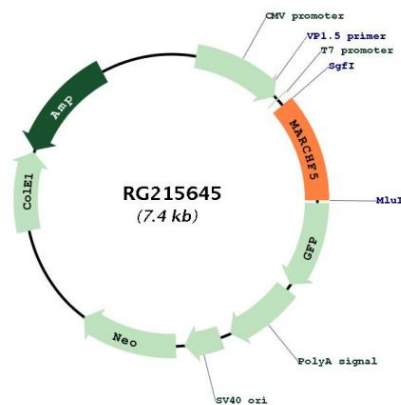
Cytogenetics: 10q23.32-q23.33

Domains: RING

Protein Families: Transmembrane

Gene Summary: MARCH5 is a ubiquitin ligase of the mitochondrial outer membrane that plays a role in the control of mitochondrial morphology by regulating mitofusin-2 (MFN2; MIM 608507) and DRP1 (DNM1L; MIM 603850) (Nakamura et al., 2006 [PubMed 16936636]).[supplied by OMIM, Mar 2008]

Product images:



Circular map for RG215645