

Product datasheet for **RG208284**

RNF156 (MGRN1) (NM_015246) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF156 (MGRN1) (NM_015246) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF156
Synonyms:	RNF156
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG208284 representing NM_015246
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGCTCCATTCTCAGCCGCCGCATCGCGGGGTGGAGGACATCGACATCCAGGCGAAGCTCGGCATC
 GCTACCTCCGAAGTCCGAAACTACTTTGCTTCGCACATTTTTCATGGGAGGAGAGAAATTCGACACCCC
 CCACCCTGAAGGTTACCTCTTTGGAGAGAACATGGATCTGAACCTCCTGGGCAGCCGCCCGTCCAGTTT
 CCCTACGTCACCTCTGCCCCCAGAGCCCGTGAAGACGCTGCGGAGCCTGGTGAACATCCGCAAAGACT
 CCCTGCGGCTGGTGAAGTACAAAGACGATGCCGACAGCCCAACGAGGACGGCGACAAGCCCGGGTGT
 CTACAGCCTGGAGTTCACCTTCGACGCCGATGCCCGCTGGCCATCACCATCTACTGCCAGGCATCGGAG
 GAGTTCCTGAACGGCAGGCGAGTACAGCCCCAAGAGCCCTCGCTACAGTCCGAGACCGTCCACTACA
 AGAGAGGGGTGAGCCAGCAGTTCTCCCTGCCCTCCTTCAAGATTGACTTCTCGGAATGGAAGGATGACGA
 GCTGAACCTTGGACCGGGGCGTGTTCAGTAGTCATCCAGGCTGTGGTGGACGAAGGAGATGTG
 GTGGAAGTGAAGTGGCCACGCCACGTGCTTGGCTGCCTTTGAAAAGCAGATGGACGGCAGCTTCTCTG
 TGAAGCCTTTAAAGCAGAAGCAAATTTGGACCGGGTCAGCTACCTCCTGCAGGAGATCTATGGCATTGA
 GAACAAGAACAACCAGGAGACCAAGCCCTCGGACGACGAGAACAGCGACAACAGCAACGAGTGTGTGGT
 TGCCGTGTCGACCTGCGGGACACGCTGATCCTGCCCTGCCGCCACCTGTGCCTCTGTACCTCCTGCGCC
 ACACGCTGCGCTACCAGGCCAACAACTGCCCATCTGCCGGTGCCTTTCGGGGCCCTCTGCAGATCCG
 GGCGGTGCGGAAGAAGCCAGGAGCCCTGTCCCGGTGTCTTCAGCCCCGCTCGGCCAGAGCCTGGAG
 CATGATGAGCACTTTGTCCCTTTAAAAAATCAAAGCCGACCCCGCCTCCCTGGCCAGCAAGAAACCTA
 AAAGGAAACAACAACTCTGACAGCGTCCCACCTGGCTACGAGCCCATCTCGCTGCTCGAGGCGCTCAACGG
 CCTCCGGGTGTCTCCCGGCCATCCCTCGGCCCTCTTTATGAAGAAATCACCTATTCAGGCATCTCG
 GACGGCTGTCCAGGCCAGCTGTCCCTCGCGGCTATCGACCACATCCTGGACAGCAGCCGCCAGAAGG
 GCAGGCCGAGCAAGGCCCGGACAGCACCTACGGTCCCGCTTTCCTCCATCCACGAAGAGGATGA
 GGAGAAGCTCTCCGAGGACGTGGACGCCCTCCCCACTGGGTGGCGCAGAGCTGGCCCTGCGGAAAGC
 AGCTCCCTGAGAGTTTCATAACAGAAGAGTTGATGAGTCGTCGTACCACAGCAAGGGACCCGAGCAG
 CTTCCATTGAGAATGCTCAGGACAGCAGCCCCGAGCACTGTGGCCGAGGCCACCTGCTGACATCTA
 CCTGCCAGGACGGCCACCTCCATGGAGACGGCCACGGCCTCGCCACCACAGCCACCTGGCCTCCA
 CTTGGTGGCCCCAGCCCCGATCCAGCGCCGCGGAGCTGACCCCACTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG208284 representing NM_015246
 Red=Cloning site Green=Tags(s)

MGSILSRRIAGVEDIDIQANSAYRYPKSGNYFASHFFMGGEKFDTPHEGYLFGENMDLNLGSRPVQF
 PYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPTEGDGKPRVLYSLEFTFDADARVAITIIYQASE
 EFLNGRAVYSPKSPSLQSETVHYKRGVSQQFSLPSFKIDFSEWKDDELNFDLDRGVFPVVIQAVVDEGDV
 VEVTGHAHVLLAAFEKHMDSFSVKPLKQKQIVDRVSYLLQEIYGIENKNNQETKPSDDENSNSNECVV
 CLSDLRDTLILPCRHLCLCTSCADTLRYQANNCPICRLPFRALLQIRAVRKKPGALSPVSFSPVLAQSLE
 HDEHSCPFFKSKPHASLASKPKRETNSDSVPPGYEPIISLLEALNGLRAVSPAIPSAPLYEEIITYSGIS
 DGLSQASCPLAAIDHILDSSRQKGRPQSKAPDSTLRSPSSIHEEDEEKLSEDVDAPPPLGGAELALRES
 SSPESFITEEVESSPQQGTRAASIENVLQDSSPEHCGRPPADIYLPGRPTSMETAHGLATTSPTWPP
 LGPSPDPSAAELTPL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_015246

ORF Size: 1728 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](#)

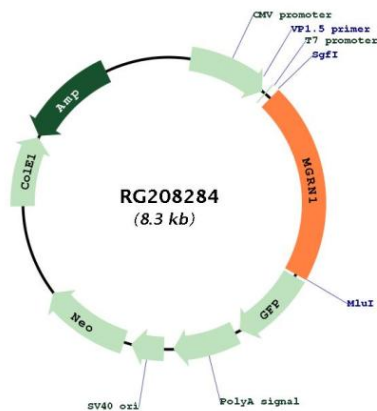
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_015246.4](#)
RefSeq Size: 3941 bp
RefSeq ORF: 1731 bp
Locus ID: 23295
UniProt ID: [O60291](#)
Cytogenetics: 16p13.3
Protein Pathways: Ubiquitin mediated proteolysis
Gene Summary: Mahogunin (MGRN1) is a C3HC4 RING-containing protein with E3 ubiquitin ligase activity in vitro.[supplied by OMIM, Apr 2004]

Product images:



Circular map for RG208284