

Product datasheet for **RG227266**

RNF156 (MGRN1) (NM_001142289) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF156 (MGRN1) (NM_001142289) 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:

>RG227266 representing NM_001142289
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCCATTCTCAGCCGCCGATCGCGGGGTGGAGGACATCGACATCCAGGCGAACTCGGCCATC
 GCTACCTCCGAAGTCCGAAACTACTTTGCTTCGCACATTTTTCATGGGAGGAGAGAAATTCGACACCCC
 CCACCCTGAAGGTTACCTCTTTGGAGAGAACATGGATCTGAACTTCTGGCAGCCGCCCGTCCAGTTT
 CCCTACGTCACCTGCCCCCACGAGCCCGTGAAGACGCTGCGGAGCCTGGTGAACATCCGCAAAGACT
 CCCTGCGGCTGGTGAAGTACAAAGACGATGCCGACAGCCACCAGGACGGCGACAAGCCCGGTGCT
 CTACAGCCTGGAGTTCACCTTCGACGCCGATGCCCGCTGGCCATCACCATCTACTGCCAGGCATCGGAG
 GAGTTCCTGAACGGCAGGCAGTATACAGCCCCAAGAGCCCTCGCTACAGTCCGAGACCGTCCACTACA
 AGAGAGGGGTGAGCCAGCAGTTCTCCCTGCCCTCTTCAAGATTGACTTCTCGGAATGGAAGGATGACGA
 GCTGAACTTTGACCTGGACCGGGCGTGTTCAGTAGTCATCCAGGCTGTGGTGGACGAAGGAGATGCA
 GTGGTGAAGTACTGGCCACGCCACGTGCTCTTGGCTGCCTTTGAAAAGCACATGGACGGCAGCTTCT
 CTGTGAAGCCTTTAAAGCAGAAGCAAATTTGGGACCGGTCAGCTACCTCTGCAGGAGATCTATGGCAT
 TGAGAACAAGAACAACCAGGAGACCAAGCCCTCGGACGACGAGAACAGCGACAACAGCAACGAGTGTGTG
 GTGTGCCTGTCCGACCTGCGGGACACGCTGATCCTGCCCTGCCGCCACCTGTGCCTCTGTACCTCTGCG
 CCGACACGCTGCGCTACCAGGCCAACTGCCCATCTGCCGGTGCCTTCCGGGCCCTCCTGCAGAT
 CCGGGCGGTGCGGAAGAAGCCAGGAGCCCTGTCCCGGTGCTTTCAGCCCCGCTCTGGCCAGAGCCTG
 GAGCATGATGAGCACTCTAACTCTGACAGCCTCCACCTGGCTACGAGCCCATCTCGCTGCTCGAGGCGC
 TCAACGGCTCCGGCTGTCTCCCGGCCATCCCCTCGGCCCTTTTATGAAGAAATCACCTATTGAGG
 CATCTCGGACGGCTGTCCAGGCCAGCTGTCCCCTCGCGGCTATCGACCACATCCTGGACAGCAGCCGC
 CAGAAGGGCAGGCCGAGAGCAAGGCCCCGACAGCACCTACGGTCCCGTCTTCCCCATCCACGAAG
 AGGATGAGGAGAAGCTCTCCGAGACGTGGACGCCCTCCCCACTGGTGGCGCAGAGCTGCCCTGCG
 GGAAAGCAGTCCCCTGAGAGTTTCATAACAGAAGAGTTGATGAGTCGTCACCACAGCAAGGGACC
 CGAGCAGCTTCCATTGAGAATGTCCTGCAGGACAGCAGCCCCGAGCACTGTGGCCAGGCCACCTGCTG
 ACATCTACCTGCCAGGACGGCCACCTCCATGGAGACGGCCACGGCTCGCCACCACAGCCCCACCTG
 GCCTCCACTTGGTGGCCGACCCCGATCCAGCGCCGCCGAGCTGACCCCACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227266 representing NM_001142289
 Red=Cloning site Green=Tags(s)

MGSILSRRIAGVEDIDIQANSAYRYPKSGNYFASHFFMGGEKFDTPHPEGYLFGENMDLNLGSRPVQF
 PYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPTEDGDKPRVLYSLEFTFDADARVAITIIYQASE
 EFLNGRAVYSPKSPSLQSEVHYKRGVSQQFSLPSFKIDFSEWKDDELNFDLDRGVFPVVIQAVVDEGDA
 VVEVTGHAHVLLAAFEEKHMDGSFSVKPLKQKQIVDRVSYLLQEIYGIENKNNQETKPSDDENSNSNECV
 VCLSDLRDTLILPCRHLCLCTSCADTLRYQANNCPICRLPFRALLQIRAVRKKPGALSPVSFSPVLAQSL
 EHDEHSNSDSVPPGYEPIISLLEALNGLRAVSPAIPSAPLYEEIITYSGISDGLSQASCPLAIDHILDSSR
 QKGRPQSKAPDSTLRSPSSIHEEDEEKLSEDVDAPPPLGGAELALRESSPESFITEEVDESSSPQGT
 RAASIENVLQDSSPEHCGRGPPADIYLPGRPTSMETAHGLATTSPTWPLGGPSPDPSAAELTPL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001142289

ORF Size: 1665 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:

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_001142289.1](#), [NP_001135761.1](#)

RefSeq Size: 3870 bp

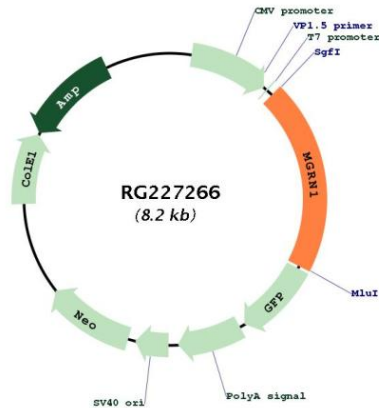
RefSeq ORF: 1665 bp

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 RG227266