

Product datasheet for **RG227366**

RNF156 (MGRN1) (NM_001142290) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF156 (MGRN1) (NM_001142290) 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:

>RG227366 representing NM_001142290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCTCCATTCTCAGCCGCCGATCGCGGGGTGGAGGACATCGACATCCAGGCGAAGCTCGCCATC
 GCTACCCCTCCGAAGTCCGAAACTACTTTGCTTCGCACATTTTTCATGGGAGGAGAGAAATTCGACACCCC
 CCACCCTGAAGGTTACCTCTTTGGAGAGAACATGGATCTGAACCTCCTGGGCAGCCGCCCGTCCAGTTT
 CCCTACGTCACCTGCCCCCAGAGCCCGTGAAGACGCTGCGGAGCCTGGTGAACATCCGCAAAGACT
 CCCTGCGGCTGGTGAAGTACAAAGACGATGCCGACAGCCACCAGGACGGCGACAAGCCCGGTGCT
 CTACAGCCTGGAGTTCACCTTCGACGCCGATGCCCGCTGGCCATCACCATCTACTGCCAGGCATCGGAG
 GAGTTCCTGAACGGCAGGCAGTATACAGCCCCAAGAGCCCTCGCTACAGTCCGAGACCGTCCACTACA
 AGAGAGGGGTGAGCCAGCAGTTCTCCCTGCCCTCCTTCAAGATTGACTTCTCGAATGGAAGGATGACGA
 GCTGAACCTTGGACCGGGGCGTGTTCAGTAGTCATCCAGGCTGTGGTGGACGAAGGAGATGTG
 GTGGAAGTGACTGGCCAGCCACGTGCTTGGCTGCCTTTGAAAAGCAGATGGACGGCAGCTTCTCTG
 TGAAGCCTTTAAAGCAGAAGCAAATTGTGGACCGGTCAGCTACCTCCTGCAGGAGATCTATGGCATTGA
 GAACAAGAACAACCAGGAGACCAAGCCCTCGGACGACGAGAACAGCGACAACAGCAACGAGTGTGTGGT
 TGCCCTGTCCGACCTGCGGGACACGCTGATCCTGCCCTGCCGCCACCTGTGCCTCTGTACCTCCTGCGCC
 ACACGCTGCGCTACCAGGCCAACAACTGCCCATCTGCCGGTGCCTTTCGGGCCCTCCTGCAGATCCG
 GGCGGTGCGGAAGAAGCCAGGAGCCCTGTCCCGGTGTCTTCAGCCCCGCTGCCCCAGAGCCTCAACGG
 CATGATGAGCACTTTGTCCCTTTAAAAAATCAAAGCCGACCCCGCCTCCCTGGCCAGCAAGAAACCTA
 AAAGGAAACAAACTCTGACAGCGTCCCACCTGGCTACGAGCCCATCTCGCTGCTCGAGCGCTCAACGG
 CCTCCGGGCTGTCTCCCGGCCATCCCCTCGGCCCTCTTATGAAGAAATCACCTATTCAGGCATCTCG
 GACGGCTGTCCAGGCCAGCTGTCCCCTCGCGGCTATCGACCACATCCTGGACAGCAGCCGCCAGAAGG
 GCAGGCCGAGCAAGGCCCGGACAGACCCTACGGTCCCGTCTTCCCCATCCACGAAGAGGATGA
 GGAGAAGCTCTCCGAGGACGTGGACGCCCTCCCCACTGGGTGGCGCAGAGCTGGCCCTGCGGAAAGC
 AGCTCCCCTGAGAGTTTCATAACAGAAGAGTTGATGAGTCGTCGTACCACAGCAAGGGACCCGAGCAG
 CTTCCATTGAGAATGCTCAGGACAGCAGCCCCGAGCACTGTGGCCGAGGCCACCTGCTGACATCTA
 CCTGCCAGCCCTGGGGCCGACTCCTGCTGTGGTATAGACGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227366 representing NM_001142290
 Red=Cloning site Green=Tags(s)

MGSILSRRIAGVEDIDIQANSAYRYPKSGNYFASHFFMGGEKFDTPHEGYLFGENMDLNLGSRPVQF
 PYVTPAPHEPVKTLRSLVNIRKDSLRLVRYKDDADSPTEDGDKPRVLYSLEFTFDADARVAITIIYQASE
 EFLNGRAVYSPKSPSLQSEVHYKRGVSQQFSLPSFKIDFSEWKDELNFDLDRGVFPVVIQAVVDEGDV
 VEVTGHAHVLLAAFEKHMDGSFSVKPLKQKQIVDRVSYLLQEIYGIENKNNQETKPSDDENSNSNECVV
 CLSDLRDLTILPCRHLCLCTSCADTLRYQANNCPICRLPFRALLQIRAVRKKPGALSPVSFSPVLAQSLE
 HDEHSCPFFKSKPHPASLASKPKRETNSDSVPPGYEPIISLLEALNGLRAVSPAIPSAPLYEEITYSGIS
 DGLSQASCPLAAIDHILDSSRQKGRPQSKAPDSTLRSPSSIHEEDEEKLSEDVDAPPPLGGAELALRES
 SSPESFITEEVDESSSPQQGTRAASIENVLQDSSPEHCGRGPPADIYLPALGPDSCSVGIDE

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001142290

ORF Size: 1656 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_001142290.2](#), [NP_001135762.1](#)

RefSeq Size: 6470 bp

RefSeq ORF: 1659 bp

Locus ID: 23295

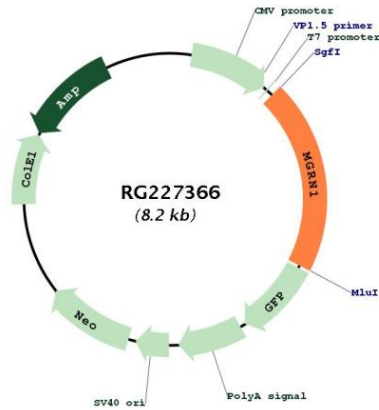
UniProt ID: [O60291](#)

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 RG227366