

Product datasheet for **SC324010**

RNF156 (MGRN1) (NM_015246) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF156 (MGRN1) (NM_015246) Human Untagged Clone
Tag:	Tag Free
Symbol:	RNF156
Synonyms:	RNF156
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_015246.1
TGGACGAGCGTCCGTGCGGCCTGGTCCGGGCCATGTCCGCGTGAGGACCCCGCCGCTGTC
GCCGCTCCCGTTCGGCCCTGGCCCTCTGCCCGCAGCGCGCCACCATGGGCTCCAT
TCTCAGCCGCGCATCGCGGGGGTGGAGGACATCGACATCCAGGCGAACTCGGCCTATCG
CTACCCTCCGAAGTCCGGAAGTACTTTGCTTCGCACTTTTTCATGGGAGGAGAGAAATT
CGACACCCCCACCCTGAAGTTACCTCTTTGGAGAGAACATGGATCTGAACTTCTGGG
CAGCCGCCGGTCCAGTTTCCCTACGTCACTCCTGCCCCACGAGCCCGTGAAGACGCT
GCGGAGCTGGTGAACATCCGCAAAGACTCCCTGCGGCTGGTGAAGTACAAAGACGATGC
CGACAGCCCCACCGAGGACGGCGACAAGCCCCGGGTGCTCTACAGCTGGAGTTCACCTT
CGACGCCGATGCCCGGTGGCCATCACCATCTACTGCCAGGCATCGGAGGAGTTCCTGAA
CGGCAGGGCAGTATACAGCCCCAAGAGCCCTCGCTACAGTCCGAGACCGTCCACTACAA
GAGAGGGGTGAGCCAGCAGTTCTCCCTGCCCTCCTTCAAGATTGACTTCTCGGAATGGAA
GGATGACGAGCTGAACTTTGACCTGGACCGGGCGTGTTCAGTAGTCATCCAGGCTGT
GGTGGACGAAGGAGATGTGGTGAAGTGAAGTGGCCACGCCACGTGCTCTTGGCTGCCTT
TGAAAAGCACATGGACGGCAGCTTCTCTGTGAAGCCTTTAAAGCAGAAGCAAATTGTGGA
CCGGGTGAGTACCTCTGCAGGAGATCTATGGCATTGAGAACAAGAACAACCAGGAGAC
CAAGCCCTCGGACGAGAGAACAGCGACAACAGCAACGAGTGTGTGGTGTGCCTGTCCGA
CCTGCGGGACACGCTGATCCTGCCCTGCCGCCACCTGTGCCTCTGTACCTCCTGCCCGA
CAGCTGCGTACCAGGCCAACAACCTGCCCATCTGCCGGTGCCTTTCCGGGCCCTCCT
GCAGATCCGGGGCGTGGCGAAGAAGCCAGGAGCCCTGTCCCCGTGCTTTCAGCCCCGT
CCTGGCCAGAGCCTGGAGCATGATGAGCACTTGTCCCTTTAAAAAATCAAAGCCGCA
CCCCGCTCCCTGGCCAGCAAGAACTAAAAGGGAAACAACTCTGACAGCGTCCCACC
TGGCTACGAGCCATCTCGTGCTCGAGGCGCTCAACGGCCTCCGGGCTGTCTCCCCGGC
CATCCCCCGGCCCTTTATGAAGAAATCACCTATTAGGCATCTCGGACGGCCTGTC
CCAGGCCAGCTGTCCCCTCGGGCTATCGACCACATCCTGGACAGCAGCCCGCAGAAGGG
CAGGCCGAGAGCAAGGCCCCCGACAGCACCTACGGTCCCCGTCTCCCCATCCACGA
AGAGGATGAGGAGAAGCTCTCCGAGGACGTGGACGCCCTCCCCACTGGGTGGCGCAGA



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GCTGGCCCTGCGGAAAGCAGCTCCCCTGAGAGTTTCATAACAGAAGAGGTTGATGAGTC
 GTCGTACCACAGCAAGGGACCCGAGCAGCTTCCATTGAGAATGTCTGCAGGACAGCAG
 CCCCAGCACTGTGGCCGAGGCCACCTGCTGACATCTACCTGCCAGGACGGCCACCTC
 CATGGAGACGGCCACGGCTCGCCACCACCAGCCCCACCTGGCTCCACTTGGTGGCC
 CAGCCCCGATCCCAGCGCCGCGAGCTGACCCACTCTGAGAGCCTGGCCGAGCTGGCAG
 CATGGAGCCCTCGGCTCCCAGACTTTGCCGAGGGGCTGCTCCGACCCCGTTGTGAGCC
 GGCTCCTGTCTGCATGCCCTGTGGCCACCAGGCTCCGAGGGGCGGTGGTGACTTTG
 ATCAAAGAGCACAGTGAAGTGTCCCTTCTGAGTCTCCCTTTTCTACAGTTGATATATTTG
 TAACTGGTACAAGATGAAGGACAGCAGCTTCCATCCCTAGTTTACAGACCCCGTTCCCC
 AGGGTCTGTGGGCTGAGCGGCTGGGGTGGGGTGCCACGTGTGGCTCCGCTGGCTC
 TGCCTGCTCCTGCAACAGTGGGTCCCTGCCCGGAGAAGTCCAGGAGCCTGCAGAAGAGA
 ACTGATTGGTGGTGAAGCACCATCTTACAGATGTTAGGGGAGTGGGGGCTCCAGG
 CACGGTCAATGAAGAAACAGTGCCTGTCCACCACCCTGCGTGTACTGTGGCGGCTG
 GCTGTCGCTGCTTTTTGCTCTGACGTGTTTGGCGGCCTCAGTGCCCTCCCTGGTGCG
 TCTGCGTGGGGCCCTCAGTGTGCGGGCCTGGGGTGCATGGGCGCCGCTGGGCAGC
 TAGAGTGTCTACCCCGTGTGGGCTGGCCGAGGGGCGGAGGACAGCTGCTTCCAGC
 AGCCAGCATTAGTGGCCTGTGACCAAGCTCCACACCTCCTCCTGGTGTGGCTTTGGT
 GACATCACAAGGCCCTCCAGGTGCAGGGGCTTGTGTTGGCAGGCCCTGCCAGGGAGG
 ACCTGGTGGCCTCCTCATTCTCTTTTGGCATTGGAATGTCCCCTTGCAGTTCTCTCTCT
 TTTTTTTTTTTGAGATGGAGTTTCACTCTTGCTGCCAGGCTGGAGTGCAGTGGCTCAA
 TCTCGGTCACTGCAACCTCCGCTCCCGGTTCAAGTATCGTCTGCCTTAGGCTCCT
 GAGTAGCTGGGGATTACAGGTGCCTACCAGCATGCTCGGCTAATTTTTTTGATTTTTAG
 TAGAGAAGGGATTTACCATGTTGGCCGGCTGGTCTCAAACCTAAGGTCATCCACCT
 GCCTCGGCTCCAGAGTGTGAGATTACAGGCGTGGGCTCCGCGCCCGCCCTTGC
 AGTTCTCTGATTTGGTTTGTCTGTCTCAGGCTTGTGGCAGGACTGGCCAGGGAG
 GAGGAAGCCAGCAGCACCTGGGAATGGGGTCCCGCCGGGAGGCTTGGCCTTGGGC
 GACCTCGTCTGTTTGTGTTGTTGTTGTTGTTTTTAAAGGTAAACCTCCTGGGCC
 GCAGATGGCAAAGGGAGTGCCTGGGCTGGTGACCCAGGGCTGGATCCACCCTGCGGAG
 CCCTGGGCAGGCAGGTGTCTGTGCTCACCTGGCTTGGAGGGCTGCCCTGCAGCTGGG
 CCTGGGACAGGTGGCTGTGGGCAGCTCAGTACCCTCCCTGAGGCTCACGGTGGCTCC
 GAGCATGAGCTCTGCCTCCTGGGCGAGACCAGCAGTGGACAGCACGGTCTCACACCA
 GCTCCCTGCACACCCAGGCCAGCCACCCTCCCGCTCGTGCACAGGCACGCAGATGCGCT
 CACACGTACACACACAAATGCACGCCCACTTGCACATGCTCACGCACACGTTACACA
 TGCACACTCACGCTCACACATGCTGTACGCATACACACACGCACATACTCCTGCACATG
 TTCCCATGCATGTGTGTGCACTCGGACCGAGCATCTCCACGCACCTCTACCCACCCCA
 AGCACCTCTCCCCCATGCACCTCTCCCAACAACACACACAGCCCCCTGCACCGCC
 GCCCCCGCCCCACCAAGGCCAGCCTCTGGCCATCAGTCTGGTGGCAGAGCTTTGC
 GTGAAGTTCGGGCGCAGAGTGGCCGCTGGGACTCCCATGTGCTGCCGTCTGATGTGCT
 CAGATGGGCTCATCGTTGGTTCGTTTTTACTGTATATTTATAGTAATAAAATCATGCAGC
 AA

Restriction Sites: ECoRI-NOT
ACCN: NM_015246

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_015246.1](#), [NP_056061.1](#)

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]
 Transcript Variant: This variant (1) encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.