

Product datasheet for **MG206607**

Rnf135 (NM_028019) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf135 (NM_028019) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Rnf135
Synonyms:	0610037N03Rik; 2410006N06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206607 representing NM_028019 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCCGTTTGTCTGGCAATGCAGTCCCTGTGTGGCTGAGCGAGGACGACCTGAGCTGCATTATCT
GCCAAGGGCTACTAGACCAGCCACCACGCTGCCCTGTGGCCACAGCTTCTGTCTCCGGTGCCTCCATGA
CCTGTGGGTCTCGAAGCGTGGGGCCGTGGATGGCTGCCCTTGGGCTTGCCCATATGTCGGAAGGGTCCC
TTGACAAAGCCCAAGCTGCACAAGAACCGCTGCTGCAAGACCTGGTGGACAAGTACCTCCAAGCGGCGC
GGGAGGTCGAGGCTGGCTCGGAGCCTGAACCCGCCCGCGCGCTTCTGCGCCCCAGGTGACAGTACA
GAAAAGTACCACAAACGTTATCCAGGAGCTGACTGACATGGTGAGACAGCTTGTAGACGATGTCAAGAGC
CTTCAAACGCAAGACCAACTTGGGATCTGGACAGGACAATGCACAAGGCACCCACCCACGGATTCTT
CCTCTGAGGGGGAACATTCTTGGATTCTCAAAGCTGGTGACCTTCAGTATATCTCAGAAGAAAATTCA
GGAGATTCTCCATAACCTGGAAGAAATTCAGGAGAAATGCAAGGGAGTGTCCCAGGGAGAGCGCCCCCT
AGAGAGCGAGTTCAGGAAATGACATCTTCTTGTGCCTGCTGCCTGACCAGAGGCGTCTGCACCCAGGA
AAGCTTCTCACTTGTCCCTGTGGCCATCAGTCCAACCTTTGACCTGAGGACCCTCTCTATAACCTGGA
GGTTTCCAACAATAGCCGAGAGTGACTGTGTCTCGTGGTGATCTGCACACCTATCACTGGAGTCCCCAG
AGATTTTCAATTAGCCAGGTCTTTTGTCTCAGGCCCTCTTTCTGGACAGAAGTACTGGGAAGTGGACA
CTAGGAACTGTAGCCACTGGGCCATCGGGTAGCTTCTTGGGGCATGAAGCGGGACGGGATGCTGGGAAG
GACTATGGACTCCTGGTGTATAGAGTGGAGAGGCGCTGGCCAGTTCTCTGCTTGGCCAAGATGAAGAAA
ACAGACTTGCAGTCGGACCTCCCTGAGGTTGTGGCGTGTGGCTGGACCTGGAGTCGGGGGAGCTTGCTT
TCTACGCAGTGGCCGATCACGAGAGGCTCCTGTATGAGTGTGAGGTCTCTAGCTCCTCTCTCTGCATCC
CGCCTTCTGGCTGTATGGCTTAAGTCTGGAACTACCTGGAAATAAAGCAGCTAAACACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206607 representing NM_028019
 Red=Cloning site Green=Tags(s)

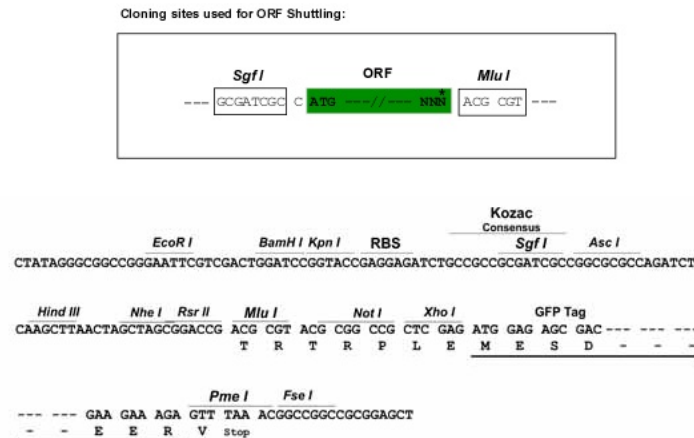
MAAVCSGNAVVPVWLSDDLSCIICQGLLDQPTTLPCGHSFCLRCLHDLWVSKRGAVDGCPCWACPICRKGP
 LTKPKLHKNPLLQDLVDKYLQAAREVEAGSEPEPAPAPRSAPQVTQKSTTNVIQELTDMVRQLVDDVKS
 LQTRPNLGGQDNAQGTPTDSSSEGEHSLDSPKLVTFSISQKKIQEILHNLEEQEKLQGSVPGRAPP
 RERVQEMTSSLCLLPDQRRPAPRKASHLSLWAIPTFDLRTL SYNLEVSNNRRVTVSRGDLHTYHWSPQ
 RFSISQVFCSQALSSGQKYWEVDTRNCSHWAIGVASWGMKRDGMLGRTMDSWCIEWRPGQFSAWAKMKK
 TDLQSDLPEVVGWLDLESGELAFYAVADHERLLYECEVSSSSPLHPAFWLYGLSPGNYLEIKQLNT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_028019

ORF Size: 1251 bp

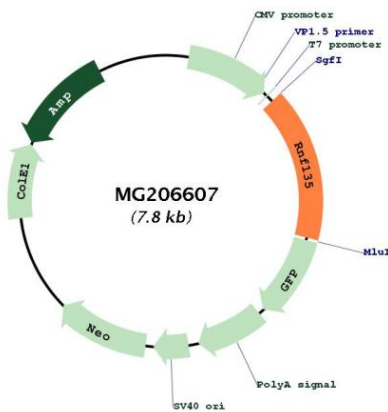
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_028019.1, NP_082295.1</u>
RefSeq Size:	1961 bp
RefSeq ORF:	1254 bp
Locus ID:	71956
UniProt ID:	<u>Q9CWS1</u>
Cytogenetics:	11 47.59 cM
Gene Summary:	Acts as an E2-dependent E3 ubiquitin-protein ligase, involved in innate immune defense against viruses. Ubiquitinates DDX58 and is required for full activation of the DDX58 signaling resulting in interferon beta production.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206607