

Product datasheet for MR206607

Rnf135 (NM_028019) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf135 (NM_028019) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rnf135
Synonyms:	0610037N03Rik; 2410006N06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206607 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGCCGTTTGTCTGGCAATGCAGTCCCTGTGTGGCTGAGCGAGGACGACCTGAGCTGCATTATCT
GCCAAGGGCTACTAGACCAGCCACCACGCTGCCCTGTGGCCACAGCTTCTGTCTCCGGTGCCTCCATGA
CCTGTGGGTCTCGAAGCGTGGGGCCGTGGATGGCTGCCCTTGGGCTTGCCCATATGTCGGAAGGGTCCC
TTGACAAAGCCCAAGCTGCACAAGAACCGCTGCTGCAAGACCTGGTGGACAAGTACCTCCAAGCGGCGC
GGGAGGTCGAGGCTGGCTCGGAGCCTGAACCCGCCCGCGCGCTTCTGCGCCCCAGGTGACAGTACA
GAAAAGTACCACAAACGTTATCCAGGAGCTGACTGACATGGTGAGACAGCTTGTAGACGATGTCAAGAGC
CTTCAAACGCAAGACCAACTTGGGATCTGGACAGGACAATGCACAAGGCACCCACCCACGGATTCTT
CCTCTGAGGGGGAACATTCTTGGATTCTCAAAGCTGGTGACCTTCAGTATATCTCAGAAGAAAATTCA
GGAGATTCTCCATAACCTGGAAGAAATTCAGGAGAACTGCAAGGGAGTGTCCCAGGGAGAGCGCCCCCT
AGAGAGCGAGTTCAGGAAATGACATCTTCTTGTGCCTGCTGCCTGACCAGAGGCGTCTGCACCCAGGA
AAGCTTCTCACTTGTCCCTGTGGCCATCAGTCCAACCTTTGACCTGAGGACCCTCTCTATAACCTGGA
GGTTTCCAACAATAGCCGAGAGTGACTGTGTCTCGTGGTGATCTGCACACCTATCACTGGAGTCCCCAG
AGATTTTCAATTAGCCAGGTCTTTTGTCTCAGGCCCTCTTTCTGGACAGAAGTACTGGGAAGTGGACA
CTAGAACTGTAGCCACTGGGCCATCGGGTAGCTTCTTGGGGCATGAAGCGGGACGGGATGCTGGGAAG
GACTATGGACTCCTGGTGTATAGAGTGGAGAGGCGCTGGCCAGTTCTCTGCTTGGCCAAGATGAAGAAA
ACAGACTTGACGTCGGACCTCCCTGAGGTTGTGGCGTGTGGCTGGACCTGGAGTCGGGGGAGCTTGCTT
TCTACGAGTGGCCGATCACGAGAGGCTCCTGTATGAGTGTGAGGTCTCTAGCTCCTCTCCTCTGCATCC
CGCCTTCTGGCTGTATGGCTTAAGTCTGGAACTACCTGGAAATAAAGCAGCTAAACACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR206607 protein sequence
 Red=Cloning site Green=Tags(s)

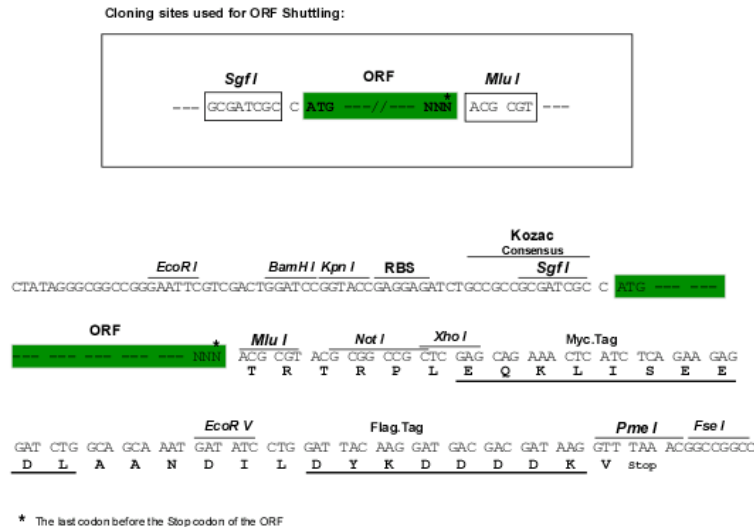
MAAVCSGNAVVPVWLSDDLSCIICQGLLDQPTTLPCGHSFCLRCLHDLWVSKRGAVDGCPCWACPICRKGP
 LTKPKLHKNPLLQDLVDKYLQAAREVEAGSEPEPAPAPRSAPQVTQKSTTNVIQELTDMVRQLVDDVKS
 LQTRPNLGSQDQAQGTPTDSSSEGEHSLDSPKLVTFSISQKKIQEILHNLEEQEKLQGSVPGRAPP
 RERVQEMTSSLCLLPDQRRPAPRKASHLSLWAIPTFDLRTL SYNLEVSNNRRVTVSRGDLHTYHWSPQ
 RFSISQVFCSQLSSGQKYWEVDTRNC SHWAIQVSWGMKRDGMLGRTMDSWCIEWRGPGQFSAWAKMKK
 TDLQSDLPEVVGWLDLESGELAFYAVADHERLLYECEVSSSSPLHPAFWLYGLSPGNYLEIKQLNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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: [NM_028019.1](#), [NM_028019.2](#), [NM_028019.3](#), [NP_082295.1](#)

RefSeq Size: 1959 bp

RefSeq ORF: 1254 bp

Locus ID: 71956

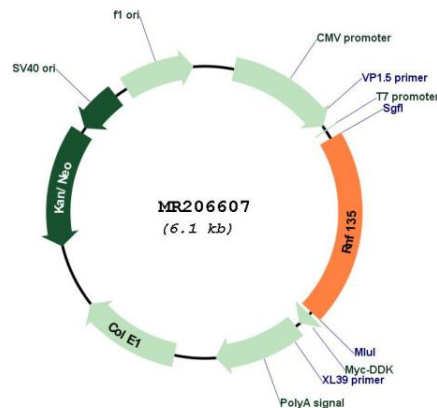
UniProt ID: [Q9CWS1](#)

Cytogenetics: 11 47.59 cM

MW: 46.5 kDa

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 MR206607