

Product datasheet for **RG219438**

RNF135 (NM_032322) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RNF135 (NM_032322) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF135
Synonyms:	L13; MMFD; REUL; Riplet
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG219438 representing NM_032322 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGCCTGGGCTGGGCTCCGCCGTTCCCGTGTGGCTGGCCGAGGACGACCTCGGCTGCATCATCT
 GCCAGGGGCTGCTGGACTGGCCCGCCACGCTGCCCTGCGGCCACAGCTTCTGCCGCCACTGCCTGGAGGC
 CCTGTGGGGCGCCGCGACGCGCCGCTGGGCTGCCCACTTGCCGCCAGGGCGCCGCGCAGCAGCCG
 CACCTGCGGAAGAACACGCTACTGCAGGACCTGGCCGACAAGTACCGCCGCGCCGACGCGAGATACAGG
 CGGGCTCCGACCCTGCCCACTGCCCTGCCGGGCTCCAGTTCCTCTCCAGCGCGCCGCGAGGCCCG
 GCGCCGCCCGGAAGTGCAGCGGGTGGCAGTAGAGAAGAGCATCACAGAAGTTGCTCAGGAGCTGACAGAG
 CTGGTGGAACATCTTGTAGACATTGTGAGAAGCCTGCAGAATCAGAGGCCCTATCAGAATCTGGACCAG
 ACAACGAAGTGAAGCATCTGGGCAAGGCTTTTCTTCTGGGGTGGATCTTCCATGGCTTCTCCAAAGCT
 GGTGACTTCCGACACAGCTGCAGGGAATCAGAGATATCTCCATGACCTAGAAGAAATTCAGGAAAAA
 TTACAAGAAAGCGTCACCTGGAAGAGGCTCCTGAAGCACAATGCAGGGAGAATCCTGGAAGCCCCGT
 CTTCTCCTCATGCCATTGCCTGACCAGAGCCACCCTGCACTCAGGAGAGCTTCTCGGTTTGCTCAGTG
 GGCCATCCATCCAACCTTAACCTGAAGAGCCTTCTGCAAGCTGGAGGTGTCCAAGGATTCCCGTACA
 GTGACTGTGTCTACCGCCCAACCTATCGCTGGAGCTGTGAGAGGTTTCTACCAGCCAGGCTTAT
 GTTCCCAGGCCCTGTCTTCTGGAAGCATTACTGGGAAGTGGACACTAGGAATTGACGCCACTGGGCAAT
 TGGGGTGGCTTCTGGGAGATGAGCCGCGACCAGGTCTGGGAAGGACTATGGACTCTTGTGTGTGGAA
 TGAAGGGGACTAGCCAGCTCTGTCATGGCACATGGTCAAGGAACTGTCTTGGCTCAGACAGACCTG
 GGGTGGTGGCATCTGGCTGAACCTTGAGGAGGAAAGCTTGCTTCTATTCAAGTGGACAATCAGGAGAA
 GCTTCTGTATGAGTGTACCATCTCTGCCTCTCTCTTTGTACCTGCCTCTGGCTGTATGGCTTACAT
 CCTGGAATACCTGATAATAAGCAAGTAAAGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG219438 representing NM_032322
 Red=Cloning site Green=Tags(s)

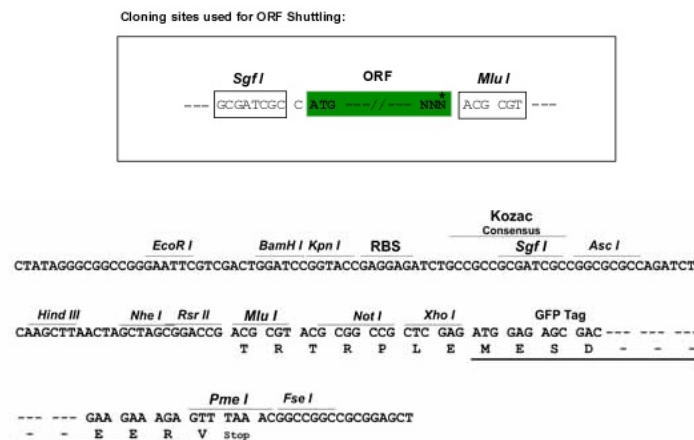
MAGLGLGSAPVWLAEDDLGCIICQGLLDWPATLPCGHSFCRHCLEALWGARDARRWACPTCRQGAAQQP
 HLRKNTLLQDLADKYRRAAREIQAGSDPAHCPCPGSSSLSSAAARPRRPELQRVAVEKSITEVAQELTE
 LVEHLVDIVRSLQNQRPLSESGPDNELSILGKAFSSGVDLSMASPKLVTSDTAAGKIRDILHDLEEIQEK
 LQESVTWKEAPEAQMKGELLEAPSSSSCPLPDQSHPALRRASRFAQWAIHPTFNLKSLSCSLEVSKDSRT
 VTVSHRPQPYRWSCERFSTSQVLCSQLSSGKHYWEVDTRNCSHWAVGVASWEMSRDQVLGRTMDSCCCE
 WKGTSQLSAWHMKETVLGSDRPGVVGIWLNL EEGKLA FYSDNQEKLL YECTISASSPL YPAFWLYGLH
 PGNYLIIKQVKV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_032322

ORF Size: 1296 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_032322.4](#)

RefSeq Size: 2195 bp

RefSeq ORF: 1299 bp

Locus ID: 84282

UniProt ID: [Q8IUD6](#)

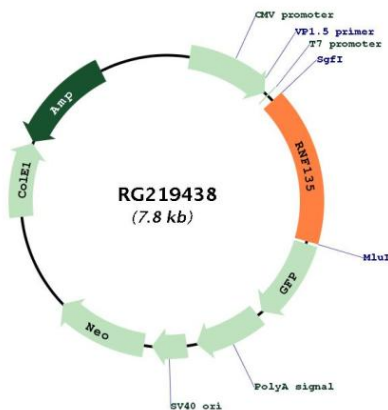
Cytogenetics: 17q11.2

Domains: RING

Protein Families: Druggable Genome

Gene Summary: The protein encoded by this gene contains a RING finger domain, a motif present in a variety of functionally distinct proteins and known to be involved in protein-protein and protein-DNA interactions. This gene is located in a chromosomal region known to be frequently deleted in patients with neurofibromatosis. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG219438