

## Product datasheet for **RG205589**

### **RNF133 (NM\_139175) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	RNF133 (NM_139175) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	RNF133
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205589 representing NM_139175 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCATCTACTCAAGGTTGGCACTTGGAGAAACAACACTGCCTCTTCTGGCTTATGAAGTTCAGTGTTCTTTGGCTTGTAGTCAGAACTGTTGCAGAGCAAGTGTGTTGGATGGCTTATATGAACATATCATTTCATGTTGGGAATCATGTGTTGTCAGAGTTGGGAGAGACTGGAGTCTTTGGAAGAAGCTCCACTTTGAAGAGAGTGGCAGGAGTTATAGTGCCACCAGAGGGAAAAATCCAAAATGCATGTAATCCCAATACCATTTTCAGCCGATCAAAGTACTCAGAGACCTGGCTTGCACTTATTGAACGGGGAGGTTGTACCTTCACACAGAAAATTAAGTGGCAACTGAGAAGGGAGCCAGTGGAGTGATCATCTATAACGTTCCAGGTAAGTGGCAACCAGGTGTTCCCATGTTTCATCAGGCATTTGAAGATGTCGTTGTGTTATGATTGGTAACTTAAAAGGCACGGAAATTTCCATTTAATTAAGAAGGGAGTTCTCATTACAGCCGTGTTGAGGTGGGAGAAAGCACATCATCTGGATGAATCACTATTTGGTCTCTTTGTGATTGTCACAACTGCTACCTTAGCATATTTTCATCTTTTATCACATCATAGACTTTGTTAGCAAGGATTCAGAACCGGAGATGGCAGCGATTAACAACAGATCTTCAGAACACATTTGGACAACCTCAACTTCGAGTAGTAAAAGAGGGGGATGAAGAAATAAATCCAAATGGGGATAGCTCGTAATTTGCTTTGAACGCTATAAGCCTAATGACATAGTTCGTATTCTGACTTGTAACATTTTTTCCACAAGAATTGCATTGACCCCTGGATTTTACCCCATGGGACATGCCCATTTGCAAATGTGATATTCTTAAAGTTTGGGGATTCAAGTGGTTGTTGAAAATGGAACAGAACCTTTGCAAGTTCTAATGTCAAATGAACTGCCTGAACCTTATCACCTAGTGAAGAGGAGACAAATAATGAAGTTTCTCCTGCAGGAACCTCAGATAAAGTAATCATGTGGAGGAGAACCCTACTTCTCAGAATAATGACATCCAGCCTCATTAGTAGTGAAGATGTTTCATCTCACCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205589 representing NM\_139175  
 Red=Cloning site Green=Tags(s)

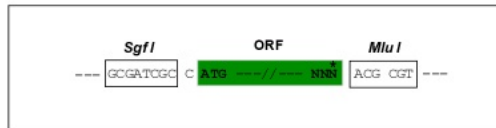
MHLLKVGTVWRNNTASSWLMKFSVLWLVSQNCRCRASVVWVMAYMNI SFHVGNHVLSLGETGVFGRSSTLKR  
 VAGVIVPPEGKIQNACNPNTIFSRSKYSETWLALIERGGCTFTQKIKVATEKGASGVIIYNVPGTGNQVF  
 PMFHQAFEDVVVVMIGNLKGTEIFHLIKKGLITAVVEVGRKHI IWMNHVLSV FIVTTATLAYFIFYHI  
 HRLCLARIQNRWQRLTDLQNTFGQLQLRVVKEGDEEINPNGDSCVICFERYPNDIVRILTCKHFFHK  
 NCIDPWILPHGTCPICKDILKVLGIQVVVENGTEPLQVLSNELPETLSPSEETNNEVSPAGTSDKVI  
 HVEENPTSQNNDIQPHSVVEDVHPSP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



**ACCN:** NM\_139175

**ORF Size:** 1128 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\\_139175.2](#)

**RefSeq Size:** 1446 bp

**RefSeq ORF:** 1131 bp

**Locus ID:** 168433

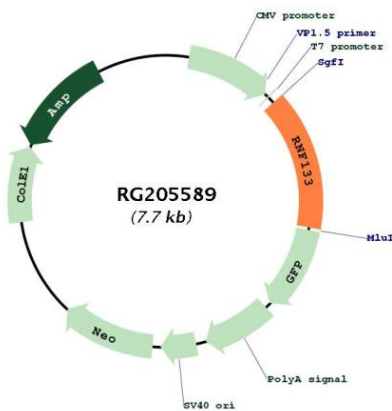
**UniProt ID:** [Q8WVZ7](#)

**Cytogenetics:** 7q31.32

**Protein Families:** Druggable Genome, Protease, Transmembrane

**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 has no intron. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG205589