

## Product datasheet for **RG215814**

### **RNF180 (NM\_178532) Human Tagged ORF Clone**

#### Product data:

|                           |                         |
|---------------------------|-------------------------|
| <b>Product Type:</b>      | Expression Plasmids     |
| <b>Tag:</b>               | TurboGFP                |
| <b>Symbol:</b>            | RNF180                  |
| <b>Synonyms:</b>          | RINES                   |
| <b>Mammalian Cell</b>     | Neomycin                |
| <b>Selection:</b>         |                         |
| <b>Vector:</b>            | pCMV6-AC-GFP (PS100010) |
| <b>E. coli Selection:</b> | Ampicillin (100 ug/mL)  |

**ORF Nucleotide Sequence:** >RG215814 representing NM\_178532.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAAGAAGCAAGGAATTGATACTAAAAATCATAGTCAAGAGGAAACAAGTATTCTCGTTGTGG
AAATGTAGAAAATGTATAGCAAGCTCTGGTTGTTTATGGAGTATCTTGAGAAATCAAGTGATTAAGGAT
AAAGATGATTCAAGTTGATGCTCAAAATATTTGTCATGTGTGGCAGCATGAATGTAGAAGCCCTCCAGAA
TGGATAAGCTGCCTAATCCAAAAAGCCAGTGGACAGTTGGAAAACTGAATGTCCCTTTCTGTGGGGCC
CGTTTAGGGGGCTTTAATTTTGTGACACTCCAAAATGTTCTGTGGCCAGCTTGCAGCTGTACATCTC
TCCAAGAGCCGGACTGATTATCAGCCAACACAGGCAGGCAGACTAATGAGACCATCAGTGAAATACTTG
TCACATCCTAGAGTTCAGTCAGGTTGTGACAAGGAAGCTCTGCTGACAGGTGGTGGCTCTGAAAACAGA
AATCACAGGCTTTTAAACATGGCCCGAAAATAATGACCCTGGAAGATTAACAGAAGCACTCTGCCTG
GAGGTGCGACCAACATATTTGAGATGAAGAACGAAAACTGCTGTCCAAGCATCAGAACCAAAATAC
CAGCTTTTGTCCCGAGCTTGTGACTGGCAGATGCGCTACAAGAGCTTTTCATAGAAAATCACATAGT
TTGGATCTGAACATCAGTGAGAACTGACTTTATTACCCACTTTATATGAAATACATAGTAAGACTACT
GCCTATTCAGACTAAATGAAACACAGCCTATTGACCTTTCAGGCTTGCCTTTACAATCTAGTAAAAAT
AGCTATTCCTTTTCAAGATCCATCCAGTTTGTATCCTAGTATGCTGCTGCAAAGATTTTCAGTGCCCCC
CATGAGACCCAGACACAAAGAGGAGGAGAAATTTCAAGTGTGGTCTAGAAGCTGCTTCAGTGATTCTGAC
CATACTAATACTAACAATCTGACTTTCCTGATGGACCTGCCCTCAGCTGGCAGGAGCATGCCGGAGGCC
TCAGACCAGGAAGAGCACCTCTCCCTCTGGACTTCTGCACTCAGCCAATTTTTCATTGGGCAGCATT
AATCAGAGGCTTAATAAGAGAGAAAGGAGCAAGTTGAAGAATCTAAGAAGGAAACAACGAAGCGTGAA
AGATGGCTACAGAAGCAGGGTAAATACTCAGGAGTGGGATTGCTGGATCATATGGTAAGTATATATTTA
CTTATA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
```

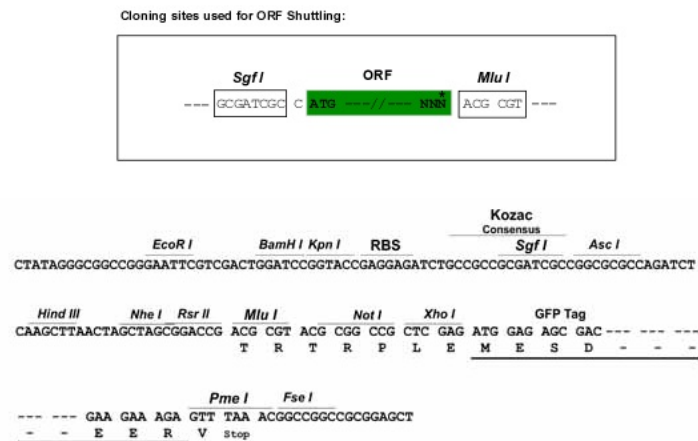


**Protein Sequence:** >Peptide sequence encoded by RG215814  
Blue=ORF Red=Cloning site Green=Tag(s)

MKRSKELITKNHSQEETSILRCWKCRKCIASSGCFMEYLENQVIKDKDSDVAQNICHVWHMNEALPE  
WISCLIQKAQWTVGKLNCPFCGARLGGFNFVSTPKCSCGQLAAVHLSKSRDYOPTQAGRLMRPSVKYL  
SHPRVQSGCDKEALLTGGGSENRNHLNLMARNNDPGRLEALCLEVRPTYFEMKNEKLLSKASEPKY  
QLFVPLVTGRCATRAFHRSKSHSLDLNISEKLLTLLPTLYEIHSTTAYSRLNETQPIDLSGLPLQSSKN  
SYSFQNPSSFDPSMLLRQFSVAPHETQTQRGGEFQCGLEAASVYSHTNTNNLTFLMDLPSAGRSMPEA  
SDQEEHLSPLDFLHSANFSLGSINQRLNKRERSKLNKLRKQRRERWLQKQKYSVGLLDHMSIYLI  
LITRTRPLEMESDESGLPAMEIECRITGTNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
MGYGFYHFGTYPSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPED  
SVIFTDKIIRSNAVEHLHPMGDNDLDGSFTRTSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_178532

**ORF Size:** 1248 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 Size:** 1727 bp

**RefSeq ORF:** 1251 bp

**Locus ID:** 285671

**UniProt ID:** [Q86T96](#)

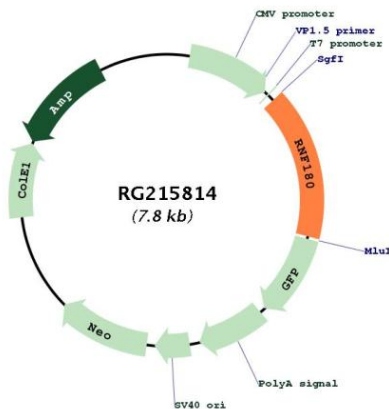
**Cytogenetics:** 5q12.3

**Protein Families:** Transmembrane

**MW:** 47.3 kDa

**Gene Summary:** E3 ubiquitin-protein ligase which promotes polyubiquitination and degradation by the proteasome pathway of ZIC2.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG215814