

## Product datasheet for **RG228780**

### **RNF182 (NM\_001165033) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** RNF182 (NM\_001165033) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** RNF182  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG228780 representing NM\_001165033  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGTCAACCTCCTGAAGACACTGCGGAGTCTCAGGCCTCTGATGAGCTGGAGTGCAAAATCTGTT  
ACAATCGATAACAATCTGAAACAGAGGAAACCCAAAGTCTGGAGTGTTCATAGGGTTTGCCAAATG  
CCTCTACAAGATCATAGACTTTGGGGACTCCCCACAAGGTGTCATTGTCTGTCTTTCTGCAGGTTTGAG  
ACGTGCCTGCCAGATGATGAAGTTAGTAGCCTGCCGATGACAACAACATCCTTGAAACTTGACTGTG  
GAGGCAAAGGGAAGAAGTGCCTGCCAGAGAACCCTACTGAGCTGCTACCCCCAAGAGGCTGGCCTC  
TCTGGTCACTCCTTCTCACAGTCTCCAAGTGCCTGGTACATAACCATCATGGAGGTGCAGAGAGAGAGC  
TCCCCGTCCCTGAGCTCCACTCCTGTGGTAGAATTTTATAGGCCTGCGAGTTTCGACTCTGTCACCACTG  
TGTACACAACCTGGACTGTGTGGAAGTGCACGTCCCTGCTGTTTCAGACATCCATCCGGGTGTTAGTGTG  
GTTGCTAGGTTTGTCTACTTCAGCTCCTTACCCTTAGGAATCTACTTACTGGTGTCTAAGAAAGTCACC  
CTTGGGGTCTCTTTGTCAGCCTGGTCCCTTCGAGCCTCGTTATTCTTATGGTGTATGGTTTTGCCAGT  
GTGTTTGCATGAATTTCTAGACTGTATGGCACCTCCTTCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG228780 representing NM\_001165033  
Red=Cloning site Green=Tags(s)

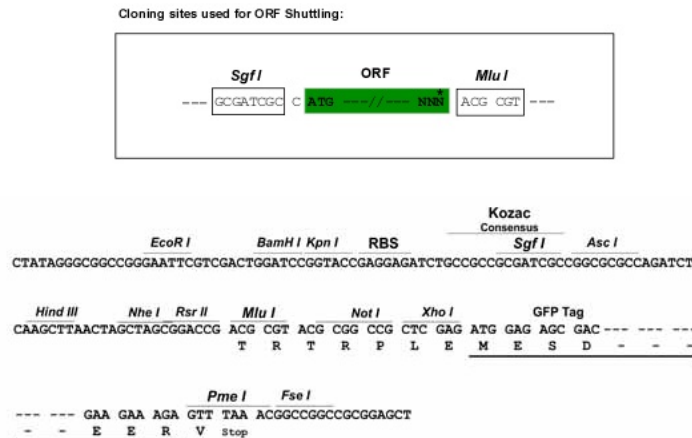
MASQPPEDTAESQASDELECKICYNRYNLKQRKPKVLECCHRVCAKLYKIIDFGDSPQGVIVCPFCRFE  
TCLPDDEVSSLPDNNILVNLTCGGKGGKCLPENPTLLLLTPKRLASLVSPSHTSSNCLVITIMEVQRES  
SPSLSSPTVVEFYRPASFDVTTVSHNWTVWNCTSLLFQTIRVWLLGLLYFSSLPLGIYLLVSKKVT  
LGVVVFSLVPSLVILMVGFCQVCHEFLDCMAPPSS

**TRTRPLE** - GFP Tag - V

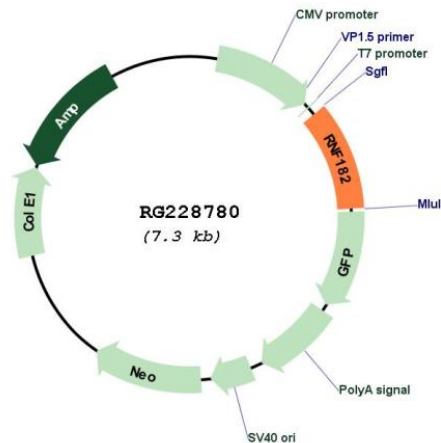


Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001165033

ORF Size: 741 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001165033.1</a></u> , <u><a href="#">NP_001158505.1</a></u>
<b>RefSeq Size:</b>	3284 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	221687
<b>UniProt ID:</b>	<u><a href="#">Q8N6D2</a></u>
<b>Cytogenetics:</b>	6p23
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	E3 ubiquitin-protein ligase that mediates the ubiquitination of ATP6V0C and targets it to degradation via the ubiquitin-proteasome pathway.[UniProtKB/Swiss-Prot Function]