

Product datasheet for **RG204117**

RNF31 (NM_017999) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RNF31 (NM_017999) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RNF31
Synonyms: HOIP; Paul; ZIBRA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204117 representing NM_017999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGGGGAGGAAGAGGAGCGGGCCTTCTGGTGGCCCGGAGGAGCTGGCGAGCGCCCTGAGGAGGG
 ATCCGGGCAGGCGTTTTCCCTGGAGCAGCTCCGGCCGCTACTAGCCAGCTCTCTGCCGCTAGCCGCCCC
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CTAGTGAGCATGATCCGGGAAGGGGAAGCCGAGGTGCCTGTCCAGAGGAGATCTTCTCGGCTCTGCAGT
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 GCCCGCTTGTACAGAAGCTGACAGAAGAGGTACCCTTGGGACAGAGTATCCCCCGCAGGCGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204117 representing NM_017999

Red=Cloning site Green=Tags(s)

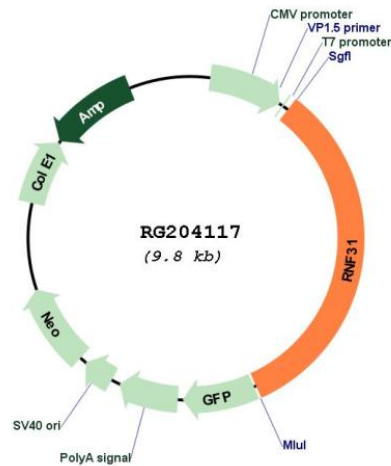
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 ESLEPDAYALFHKKL TEGVLMRDPKFLWCAQCSFGFIYEREQLEATCPQCHQTFVCRCKRWEEQHRGRS
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 LRDEACGKETPAGYAGLCQAHYKEYLVSLINAHSLDPATLYEVEELETATERYLHVRPQPLAGEDPPAYQ
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Plasmid Map:


ACCN: NM_017999

ORF Size: 3216 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:	<ol style="list-style-type: none">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:	<u>NM_017999.5</u>
RefSeq Size:	3571 bp
RefSeq ORF:	3219 bp
Locus ID:	55072
UniProt ID:	<u>Q96EP0</u>
Cytogenetics:	14q12
Domains:	IBR
Protein Families:	Druggable Genome
Gene Summary:	The protein encoded by this gene contains a RING finger, a motif present in a variety of functionally distinct proteins and known to be involved in protein-DNA and protein-protein interactions. The encoded protein is the E3 ubiquitin-protein ligase component of the linear ubiquitin chain assembly complex. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015]