

Product datasheet for **RG206907**

RNF220 (NM_018150) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RNF220
Synonyms:	Clorf164
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG206907 representing NM_018150
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACTTACACCGGGCAGCCTTCAAGATGGAGAACTCATCCTACCTTCCCAACCTCTGGCATCCCCAG
 CACTGATGGTCTTGGCATCCACGGCTGAGGCCAGCCGTGATGCTTCCATCCCTTGTCAGCAGCCACGACC
 CTTTGGTGTACCTGTCTCAGTTGACAAGGACGTGCATATTCCTTTACCAACGGTTCCTATACCTTTGCC
 TCTATGTACCATCGGCAAGGTGGGGTGCCAGGCACTTTTGCCTTCGTCGATTTCCCCCTTCTCTACTAC
 ACCTCCACCTCAATTTGCTCCCCAAATCTAGATTGCACCCCAATCAGTATGCTGAATCATAGTGGTGT
 GGGGGCTTTCCGGCCCTTTGCCTCCACCGAGGACCGGAGAGCTATCAGTCAGCCTTTACGCCGGCCAAG
 CGACTTAAGAACTGCCATGACACAGAGTCTCCCACTTGCGCTTCTCAGATGCAGATGGCAAGGAATATG
 ACTTTGGGACACAGCTGCCATCTAGCTCCCCGGTTCCTAAAGGTTGATGACACTGGGAAGAAGATTTT
 TGCTGTCTCTGGCCTCATTCTGATCGGAAGCCTCATCTAGCCAGAGGATCGGAATGACAGATGTAAG
 AAGAAAGCAGCGGCTATTGTCGACAGCCAGGCCCAATTTGCCCATCTGCCAGGTCTGCTGAGGCCCA
 GTGAGCTGCAGGAGCATATGGAGCAGGAAGTGGAGCAGCTAGCCCAACTGCCCTCGAGCAAGAATTCCTT
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 TCCGAGGCTCTGGCTTCATCATGTGACGCGCAAGAGAACCAGGACAGTATGCTGACTTGGATGTGGA
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 ACGTTTGAAGGCTCTGAAGGCTCGGGTCAGAGAACTTGAACGGCAGCTATCTCGTGGGGACCGTTACAAAT
 GCCTCATCTGCATGGAAGTCTGACTCGATGCCCCAACGTCCATCCAGTGTGGCACGTGCACTGCGAGGA
 GTGCTGGTGCAGGACCTGGGTGCCAAGAAGCTCTGCCCTCAGTGAACACGATCACAGCGCCCGGAGAC
 CTGCGGAGGATCTACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

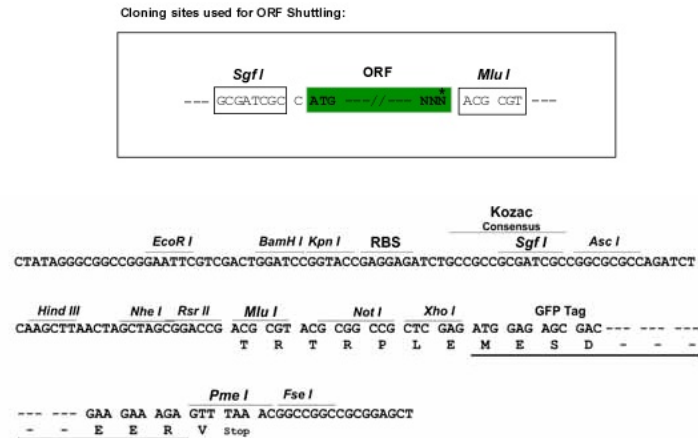
Protein Sequence: >RG206907 representing NM_018150
 Red=Cloning site Green=Tags(s)

MDLHRAAFKMENSSYLPNPLASPALMVLAETASRDASIPQQRPFVPSVDKDVHIPFTNGSYTFA
 SMYHRQGGVPGTFANRDFPSSLHLHPQFAPPNLDCTPISMLNHSVGVAFRPFATEDRESYQSFTPAK
 RLKNCHDTEPHLRFSDADGKEYDFGTQLPSSSPGSLKVDDTGKKIFAVSGLISDREASSSPEDRNRCK
 KKAALFDSQAPICPICQVLLRPSELQEHMEQELQLAQLPSSKNLLKDAMPGTPKSLLSASIKREG
 ESPTASPHSSATDDLHHSDDRYQTFLRVNRNRQTRLNARIGMKRRKQDEGQREGSCMAEDDAVDIEHNN
 NRFEEYEWCGQKRIRATTLLEGGFRGSGFIMCSGKENPDSADLDVDGDDTLEYGKPQYTEADVIPCTGE
 EPGEAKEREALRGAVLNGGPPSTRITPEFSKWASDEMPSTSNGESSQEQAMQKTCNSDIEKITEDSAVT
 TFEALKARVRELERQLSRGDRYKCLICMDSYMSPLTSIQCWVHCEECWLRTLGAKKLCPQNTITAPGD
 LRRILY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_018150

ORF Size: 1698 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.

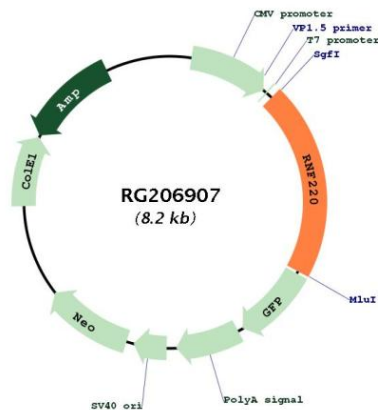
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_018150.4](#)

RefSeq Size: 3025 bp

RefSeq ORF:	1701 bp
Locus ID:	55182
UniProt ID:	Q5VTB9
Cytogenetics:	1p34.1
Protein Families:	Druggable Genome
Gene Summary:	E3 ubiquitin-protein ligase that promotes the ubiquitination and proteasomal degradation of SIN3B (By similarity). Independently of its E3 ligase activity, acts as a CTNNB1 stabilizer through USP7-mediated deubiquitination of CTNNB1 promoting Wnt signaling (PubMed:25266658). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206907