

Product datasheet for **RG206518**

RFPL3 (NM_006604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	RFPL3
Synonyms:	RNF120
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206518 representing NM_006604
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCACTCTTCCAAGAAGCAAGCAGCTGTCCCGTCTGCTCAGACTATCTGAAAAACCAATGTCCC
TGGAGTGTGGATGCACCGTCTGCCTCAAGTGCATCAATTGCTGCAGAAGGAGCCCCATGGGGAGGATCT
GCTTTGCTGTTGCTGTTCCATGGTCTCTCAGAGGAACAAAATCAGGCCAATCGGCAGCTAGAGAGGCTG
GTTTCCACATCAAGGAAGTGGAGCCCAAGATGAAGAAGATTCTACAGATGAACCAAGGATGCGGAAGT
TCCAAGTGGATATGACCTTGGATGCCGACACAGCCAACAACCTTCTCTCATTCTGACGACCTCAGGAG
CGTCCGAAGTGGGCTCATCACAGAATCGGCAAGACCTTGCCGAGAGATTTGACGTGTCCGTTTGCATC
CTGGGCTCCCCTCGCTTACCTGTGGCCGCCACTACTGGGAGGTGGACGTGGGAACAAGCACAGAATGGG
ACCTGGGAGTCTGCAGAGAATCTGTTCACTGCAAAGGGAAGATCCAGCTGACCACAGAGCTTGGATTCTG
GACTGTGAGTTTGAAGGATGGAAGCCGCTCTCTGCCAGCACGGTGCCGCTGACTTTCTCTTAGTAGAC
CGCAAGTTACAGCAGTGGGATTTTTCTGGATATGGGCATGCAGAACGTTTCTTTTTTGTAGCTGAAA
GTGGTTCCCATGTCTATACATTCAGGAGCGTCTCTGCTGAGGAGCCACTGCGCCCATTTTTGGCTCCTTC
AATCCACCTAATGGTGATCAGGTGTCTTGAGCATCTGTCTTTGATGAACCTCAGGCACTACTGATGCT
CCAGTCCGTCTGGGGAGGCCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG206518 representing NM_006604
 Red=Cloning site Green=Tags(s)

MAALFQEASSCPVCS DYLEKPM SLECGCTVCLKCINSLQKEPHGEDLLCCCSMVSQRNKIRPNRQLERL
 VSHIKELEPKMKKILQMNPRMRKFQVDMTLADTANNFLLISDDLRSVRSGLITQNRQDLAERFDVSVCI
 LGSPRFTCGRHYWEVDVGTSTEWDLGVCRESVHCKGKIQLTTELGFWTVSLRDGSRLSASTVPLTFLLD
 RKLQRVGIFLDMGMQNVSFDAESGSHVYTFRSVSAEEPLRPFLAPSIPPNGDQGVLSICPLMNSGTDA
 PVRPGAEAK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGGCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTACTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCCGGCCGGAGCT

- - E E R V Stop

ACCN: NM_006604

ORF Size: 864 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_006604.1](#), [NP_006595.1](#)

RefSeq Size: 1488 bp

RefSeq ORF: 867 bp

Locus ID: 10738

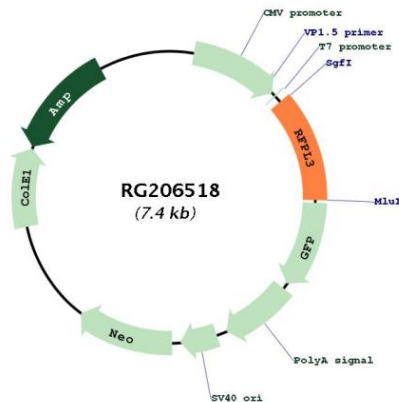
UniProt ID: [O75679](#)

Cytogenetics: 22q12.3

Protein Families: Druggable Genome

Gene Summary: (Microbial infection) Stimulates the activity of Human Immunodeficiency Virus 1/HIV-1 pre-integration complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG206518