

Product datasheet for **RR205610**

Rfpl4a (NM_001106222) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rfpl4a (NM_001106222) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rfpl4a
Synonyms: Rfpl4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR205610 representing NM_001106222
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCACTTCTTTAAAGAGAACAGCAGCTGTTATTTCTGCTTCGTTATCTGGAAAACCTGTGTACC
TGAAGTGGCTACATCTGCTGCTTCCAGTGCCTTGACTACTAGAGAAAAGTCTGAGGGGGACGGTGT
ACTGTGCCCAATTGCTCTGTTGTCTTTGAAAGAAGACATTAGACATGCCAAACAGTTAAGGAACCTG
GTACCACGGTCAAAGACCTAGAGCCACAGCTGAATTTTATTCTGACAATGGACCCAAGTATGAAGATAT
TTCAAGTGAACATGATCTTGGATGTGGACACAGCCAAAACAACCTCATCATCTCTGAGGACCTGAGGAG
TGTCTACCACACGTCGCAGACGCAAGACCGAAAGAAATGTGCAGAAAGATTGATCCCTCCCTTGTGTC
CTGGGCTCTTCCCGTTCACTTCAGGCTGCCATTACTGGGAGGTAGTGGTGGGAACCAGCAAGAATGGG
ACATAGGCATTTGCAAAGAAATCCATTAATCGACAAGAGTTGTTTATTTGTCCGAGAAAAAGGCTTCTG
GACTGTGGGTGTGAGAAATGAAGAGGTCTATGCTGCCAGCACTGATCCCTAACTGTGCTACTTGTGAAC
CCTCGGCTGCATAGAGTGGTATTTTCTTGACCTGCTAGAGAAGAGCGTCTCTTTCTGGACCTTGCCG
ATGGCTCCACATCTATACATTCCTTGAATTCCTGACACGGAGCCATTCGCCATTCTTTTACCAGC
AAATACTTATCCAGATGAAGAACAAGTCATCAGTATCTGTCCCGTGATGAATCCAAGCATTTTCGGGCTT
CCAGTTAACCCGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR205610 representing NM_001106222
 Red=Cloning site Green=Tags(s)

MAHFFKENSscyfcFRYLENPVYLNGYICCFQCLDSLEKSPEGDGVLCPNCSVSVSLKEDIRHAKQLRNL
 VTTVKDLEPQLNFILTMDPSPMKIFQVNMILDVDTAQNLLIISEDLRVYHTSQTQDRKKCAERFDPSPCV
 LGSSRFTSGCHYWEVVVGTskEWDIGICKESINRQEVVYLSEKGFWTGVRNEEVYAASDPLTVLLVN
 PRLHRVGIFLDLLEKSVSFDLGDGSHIYTFLEIPDTEPFRPFFSPANTYPDEEQVISICPVMNPSIFGL
 PVNPV

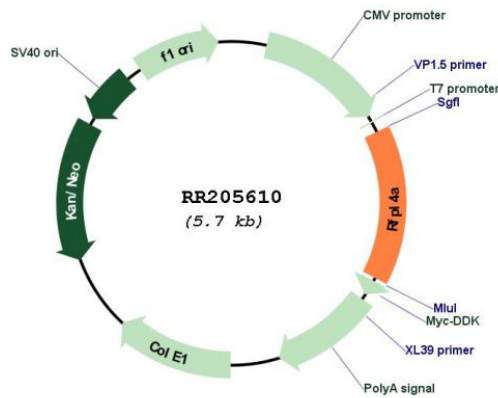
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106222

ORF Size: 855 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:	NM_001106222.1 , NP_001099692.1
RefSeq Size:	1444 bp
RefSeq ORF:	858 bp
Locus ID:	292583
UniProt ID:	D4ABM4
Cytogenetics:	1q12
MW:	32.5 kDa