

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR205610 representing NM_001106222 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCTCACTTCTTTAAAGAGAACAGCAGCTGTTATTTCTGCTTTCGTTATCTGGAAAACCTGTGTACC
TGAAGTGGGCTACATCTGCTGCTTCCAGTGCCTTGACTCACTAGAGAAAAGTCTGAGGGGACGGTGT
ACTGTGCCCAATTGCTCTGTTGTCTCTTTGAAAGAAGACATTAGACATGCCAAACAGTTAAGGAACCTG
GTTACCACGGTCAAAGACCTAGAGCCACAGCTGAATTTTATTCTGACAATGGACCCAAGTATGAAGATAT
TTCAAGTGAACATGATCTTGGATGTGGACACAGCCAAAACAACCTCATCATCTCTGAGGACCTGAGGAG
TGCTACACACGTCGCAGACGCAAGACCGAAAGAAATGTGCAGAAAGATTGATCCCTCCCTTGTGTC
CTGGGCTCTTCCCGTTCACTTCAGGCTGCCATTACTGGGAGGTAGTGGTGGGAACCAAGCAAGAATGGG
ACATAGGCATTTGCAAAGAATCCATTAATCGACAAGAGGTTGTTATTTGTCCGAGAAAAAGGCTTCTG
GACTGTGGGTGTGAGAAATGAAGAGGTCTATGCTGCCAGCACTGATCCCTTAAGTGTCTACTTGTGAAC
CCTCGGCTGCATAGAGTGGGTATTTTCTTGACCTGCTAGAGAAGAGCGTCTCTTTCTGGGACCTTGGCG
ATGGCTCCACATCTATACATTCCTTGAAATTCCTGACACGGAGCCATTCGCCATTCTTTTACCAGC
AAATACTTATCCAGATGAAGAACAAGTCATCAGTATCTGTCCCGTGATGAATCCAAGCATTTTGGGCTT
CCAGTTAACCCGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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

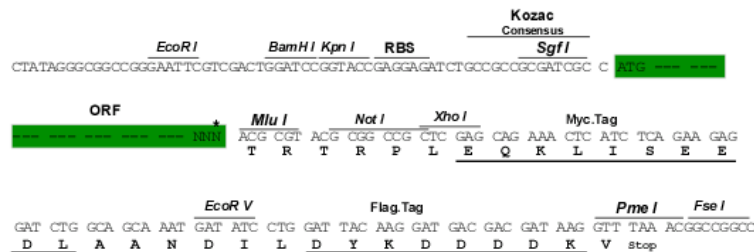
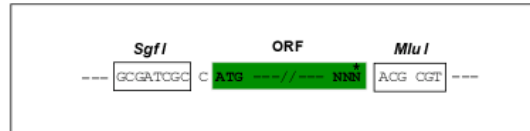
MAHFFKENSSCYFCFRYLENPVYLNCGYICCFQCLDSLEKSPEGDGVLCPNCSSVSLKEDIRHAKQLRNL
 VTTVKDLEPQLNFILTMDPSMKIFQVNMILDVDTAQNLLIISDLRSVYHTSQTQDRKKCAERFDPSPCV
 LGSSRFTSGCHYWEVVVGTSGKEWDIGICKESINRQEVVYLSEKGFWTGVRNEEVYAASTDPLTVLLVN
 PRLHRVGIFLDLLEKSVSFWDLGDGSHIYTFLEIPDTEPFRPFFSPANTYPDEEQVISICPVMNPSIFGL
 PVNPV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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:

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

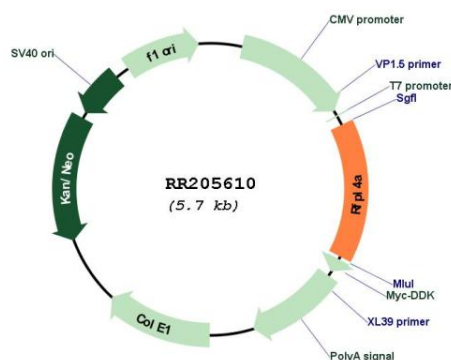
Locus ID: 292583

UniProt ID: [D4ABM4](#)

Cytogenetics: 1q12

MW: 32.5 kDa

Product images:



Circular map for RR205610