

Product datasheet for **RC208742**

RFPL2 (NM_006605) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RFPL2 (NM_006605) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	RFPL2
Synonyms:	RNF79
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208742 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAACTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCTGCACTCTTCCAAGAAGCAAGCAGCTGTCCGCTGCTCAGACTATCTGGAAAAACCAATGTCCC
 TGGAGTGTGGATGCGCCGCTGCCTCAAGTGCATTAATCACTGCAGAAGGAGCCCCATGGGAGGATCT
 ACTTTGCTGTGCTCTTCCATGGTCTCTCGAAGAACAAATCAGGCGCAATCGGCAGCTAGAGAGGCTG
 GCTTCCACATCAAGGAAGTGGAGCCCAAGCTGAAGAAGATTCTGCAGATGAACCAAGGATGCGGAAGT
 TCCAAGTGGATATGACCTTGGATGCCAACACAGCCAACAACCTCCTCCTCATTCTGACGACCTCAGGAG
 CGTCCGAAGTGGGCGCATCAGACAGAATCGGCAAGACCTTGCCGAGAGATTTGACGTGTCCGTTTGCATC
 CTGGGCTCCCCTCGCTTTACCTGTGGCCGCCACTGCTGGGAGGTGGACGTGGGAACAAGCACAGAATGGG
 ACCTGGGAGTCTGCAGAGAATCTGTTACCCGCAAAGGGAGGATCCAGCTGACCACAGAGCTTGGATTCTG
 GACTGTGAGTTTGGGGATGGAGGCCGCTCTCTGCCACCACGGTGCCGCTGACTTTCCTCTTCGTAGAC
 CGCAAGTTACAGCGAGTGGGGATTTTCTGGATATGGGCATGCAGAACGTTTCCTTTTGGATGCTGAAA
 GTGGTTCCCATGTCTATACATTCAGGAGCGTATCTGCTGAGGAGCCATTGCGCCATTTTGGCTCCTTC
 AGTTCACCTAATGGTGATCAAGGTGTCTTGAGCATCTGCTCTTGTGAACCTCAGGCACTACTGATGCT
 CCAGTCCGTCCTGGGAGGCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC208742 protein sequence
 Red=Cloning site Green=Tags(s)

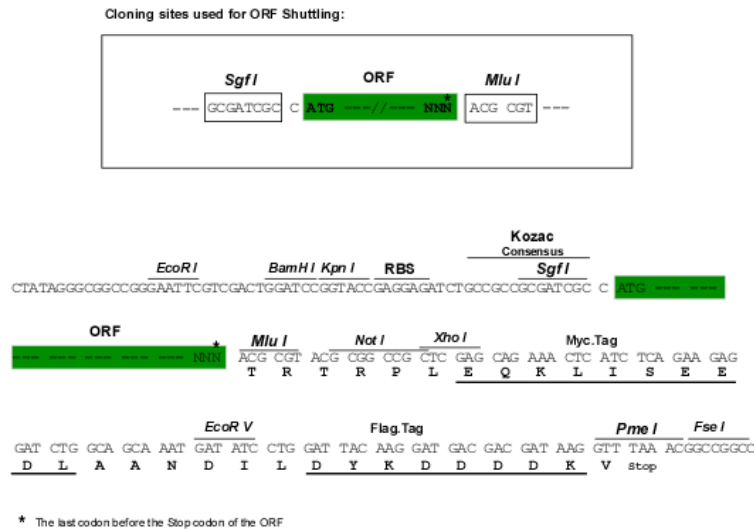
MAALFQEASSCPVCSDYLEKPMSELECGCAVCLKCINSLQKEPHGEDLLCCSSMVSARKNKIRNRQLERL
 ASHIKELEPKLKKILQMNPRMRKFQVDMTLDANTANNFLLISDDLRSVRSGRIRQNRQDLAERFDVSVC
 LGSPRFTCGRHCEVDVGTSTEWDLGVCRESVHRKGRIQLTTELGFWTVSLRDGGRLSATTVPLTFLFVD
 RKLQRVGIFLDMGMQNVSFDDAESGSHVYTFRSVSAEEPLRPFLAPSVPPNGDQGVLSICPLMNSGTTDA
 PVRPGEAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6349_e10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006605

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_006605.1, NP_006596.1

RefSeq Size: 1496 bp

RefSeq ORF: 954 bp

Locus ID: 10739

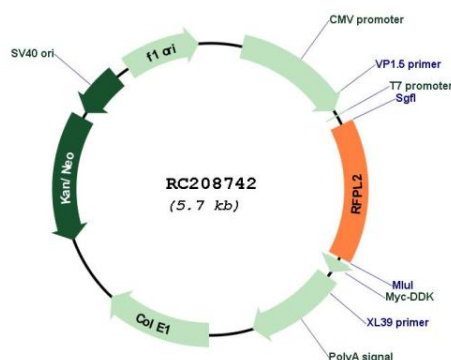
UniProt ID: O75678

Cytogenetics: 22q12.3

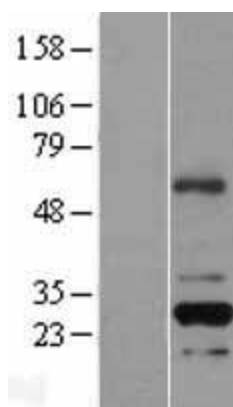
Protein Families: Druggable Genome

MW: 32.3 kDa

Product images:



Circular map for RC208742



Western blot validation of overexpression lysate (Cat# [LY416537]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208742 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).