

Product datasheet for **RR203930**

Phf21b (NM_001130680) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf21b (NM_001130680) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phf21b
Synonyms:	RGD1308739
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR203930 representing NM_001130680
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGCAAAGCCGGTCCGAGGCGCTCGCAGTGGAACTCGCGGCCACCAGAACGGCGACCTCAAGA
 AGCAGCTCCACGAAAGGCAGCCACGGATCGCAGCGCTCAGCGACAAACAAGCTTTGGGATCTCCACTGC
 AGTGCCTGTACAGGTCCTCAGGTCAGCTCCCTGCAGAGGTTGGCCGGCAAGGAGCAGCAGTGCTACCT
 CAGGTTAGGCCAAAGACTCTGATTCCAGACAGCCTCCCTGTACCCCGGGCAGGGACCGGCCACCCAAGC
 AACCCCAACATTCCAAAAGGCCACTGTGGTCAGCATCAAGAACCCAGCCAGCCCTCCCCTGCCAA
 CAACACCGTCAACCATGTGCAACACCCAGCAGCCAGACCAGGCCCTCACCGAGCCACCGCCATCACC
 TCACCCCTGAGCAGTGCCGGGTGGCTATGCCATCATCTCCACCTCCCCAGCAATGCTGCCACCATCA
 CCCCAGTACCACGTGCCGGTGGCCAGCGACGGCATCAAAGTGCAGCCCCTCCTCATCAGTGCTGACAA
 AAAGTGCATCATTTACGCCCCAAGTGAAGACACAGCCAGAGAGTTAGCAGAGCCCGAGCCACCACG
 GAGGAGCCATCTAGGGAGCTCAGGACACCAAGGAAGATCAGCCCCCAGCAAGGAGAATCTGAGAAAA
 TCGCCTTCATGGTAGCTTAGGCCTGGTCAACAAGAATCTAGAAGAGATCCAGAGCAAGCGGAGGA
 GAGGAAGAGGAGGAGCACGGCAACCCTGCCTATAGCGGCTTCTTGGAGACCAGAGGAAGCGACTGGCC
 TCCAGTTATCTCCACAACCCCTTGTTCCTCACAGCACGAGCCAATGAGGACCCCTGCTGGAAGGGTGAAA
 TCACCCATGATGAATTCTGTGCTGCCTGCAAGCGAGGAGCCAGCCTGCAGCCCTGCGGCACCTGTTGAGG
 GGCTACCACCTCAGTGCCTGGACCCGCCCTTAAGACGGCACCAAGGGCGTGTGGGTCTGCCCAAG
 TGCCAGCGGAAGGCCCTAAAGAAAGACGAGGGTGTGCCCTGGACTGGAATGCTGGCCATTGTACTCTCT
 ATGTCAACCCACAAGACAGTGAAGAAGAGGAGGAGCAAGAGCTGTTGCAGCGTGGCAGCGAAGTGCAGTC
 TGAACACCAGCAGCTGGAGGAGCCGGACCGCAGCTGGCCTCAGCTGTGAAGAAATGCTTGGAGCTGAAG
 ACAAGCCTGTTGGCCCGCAACGGGGTACACAGTCATCGCTGGACCGCATCCGAGCCCTCCTCAGACTGA
 TCCAGGGTGAAGCAGATGCTTCAAGTGTGTTGGCAACCACCAGCCCAACCCCGCTTCTGGCGGGGCGCTG
 GACCAAGCCTTCCACCACCACCACCACCACCACCACCACCACCACCATGCGCACTTCCCTCCAGCACCCC
 CAGAACCACAAC

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203930 representing NM_001130680
 Red=Cloning site Green=Tags(s)

MELQSRSEALAVELARHQNGDLKKQLHERQPRIALSDKQALGSSTAVPVTGPVSSLQRLAGQGAAVLP
 QVRPKTLIPDSLPTVTPGRDRPPKQPPTFQKATVVSIKNPSPALPTANNTVNHVPTPSSQTQALTEPTAIT
 SPLSSAGVAYAIISTSPSNAATITPSTTVPVASDGIKVPQLLISADKKVIIIQPVKTPQESSAEPEPPT
 EEPSQGAQDTKEDQPPSKENPEKIAFMVALGLVTTEHLEEIQSKRQERKRRSTANPAYSGFLETERKRLA
 SSYLHNPLFLTARANEDPCWKGEITHDEFCAACKRGASLQPCGTCGAYHL SCLDPPLKTPKGVVWCPK
 CQRKALKKDEGVPWTGMLAIVHSYVTHKTVKEEEKQKLLQRGSELQSEHQLEERDRQLASAVKKCLELK
 TSLLARQRGTQSSLDRIRALLRLIQGEQMLQVAVATTSPPLLAGAWTKPSTTTTTTTTTTMRSLQHP
 QNHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

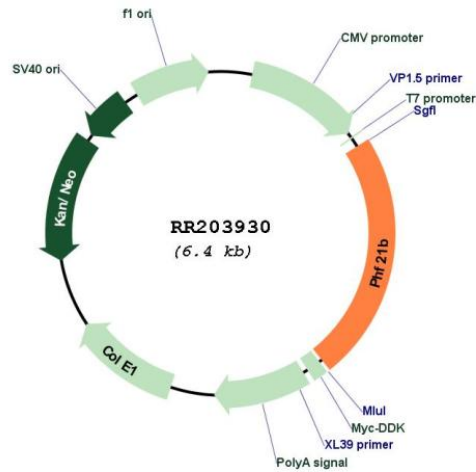
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001130680

ORF Size: 1482 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_001130680.1](#), [NP_001124152.1](#)

RefSeq Size: 2022 bp

RefSeq ORF: 1485 bp

Locus ID: 300117

Cytogenetics: 7q34

MW: 53.6 kDa