

Product datasheet for **MR214950**

Phf21b (NM_001081166) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf21b (NM_001081166) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phf21b
Synonyms:	A730032D07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR214950 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGCAAAGCCGGTCCGAGGCGCTCGCGGTGGAACCTCGCGGCCACCAGAACGGCGACTCAAGA
 AGCAGCTCCACGAAAGGCAGCCACGGATCGCAGCGCTCAGCGACAAACAAGCTTTGGGATCCACCACTGC
 AGTGCCTGTCACAGGTCCTCAGGTCAGCTCCCTGCAGAGGTTGGCCGGCAAGGAGCAGCAGTGCTACCT
 CAGGTTAGGCCAAAGACTCTGATTCCAGACAGCCTCCCTGTACCCCGGGCAGGGACCGGCCACCCAAGC
 AACCCCAACATTCCAAAAGGCCACTGTGGTCAGCATCAAGAACCCAGCCAGCCCTCCCCTGCCAA
 CAACACCGTCAACCATGTGCAACACCCAGCAGCCAGACCAGGCCCTCACCGAGCCACCGCCATCACC
 TCACCCCTGAGCAGTGCCGGGTGGCTATGCCATCATCTCCACCTCCCCAGCAATGCTGCCACCATCA
 CCCCAGCACCCTGTGCCGTGGCCAGCGACAGCATCAAAGTGCAGCCCCTCCTCATCAGTGCTGACAA
 AAAGTTATCATATTCAGCCACAAGTGAAGACACAGCCAGAGAGTTCAGCAGAGCCCGAGCCACCCAGC
 GAGGAGCCATCTCAGGGAGCTCAGGCCACCAAGGAAGATCAGCCCCCAACAAGGAGAATCTGAGAAAA
 TCGCCTTCATGGTAGCTCTAGGCCTGGTCAACGGAACACCTAGAAGAGATCCAGAGCAAGCGGAGGA
 GCGGAAGCGGAGGAGCACAGCAACCCTGCCTATAGCGGCTTCTTGGAGACCGAGAGGAAGCGGCTGGCC
 TCCAGTTATCTCCACAACCCCTTGTTCCTCACAGCAGCAGCCAATGAGGACCCCTGCTGGAAGGGTGAAA
 TCACCCATGATGAATTCTGTGCTGCCTGCAAGCGAGGAGCCAGCCTGCAACCCCTGCGGCACCTGTTGAGG
 GGCTACCACCTCAGTGCCTGGACCGCCCTTAAGACGCCACCAAGGGCCTGTGGGTCTGCCCAAG
 TGCCAGCGGAAGGCTTAAGAAAAGATGAGGGTGTGCCCTGGACTGGGATGCTGGCCATTGTACATTCT
 ATGTCACCCACAAGACAGTGAAGAAGAGGAGAAGCAGAAATGTTGCAGCGTGGCAGTGAACAGCAGTC
 TGAGCACCAGCAGCTAGAGGAGCGGGACCGGCAGCTGGCCTCAGCTGTGAAGAAATGCTTGGAGCTGAAG
 ACAAGCCTCCTGGCCGCAACGGGGCACACAGTCATCGCTGGACCGCATCCGGGCCCTCCTCAGACTGA
 TCCAGGGTGAAGCAGATGCTTCAAGTTCGCTATGGCAACCACCCAGCCCAACCCACTTCTGGCCGGGCCCTG
 GACCAAGCCTTCCACCACCACCACATGCACACTACCCTCAGCACCCCAAGATCAACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR214950 protein sequence
 Red=Cloning site Green=Tags(s)

MELQSRSEALAVELARHQNDLKKQLHERQPRII AALSDKQALGSTTAVPVTGPQVSSLQRLAQGGAAVLP
 QVRPKTLIPDSLPTVTPGRDRPPKQPPTFQKATVVS IKNPSPALPTANNTVNHVPTPSSQTQALTEPTAIT
 SPLSSAGVAYAIISTSPSNAATITPSTTVPVASDSIKVQPL LISADKKV I IIPQVKTQPESSAEPEPPT
 EEPSQGAQATKEDQPPNKENPEKIAFMVALGLVTTEHLEEI QSKRQERKRRSTANPAYSGFLETERKRLA
 SSYLHNPLFLTARANEDPCWKGEITHDEFCAACKRGASLQPCGTC SGAYHL SCLDPPLKTPPKGLWVCPK
 CQRKALKKDEGVPWTGMLAIVHSYVTHKTVKEEEKQKLLQRGSELQSEHQLEERDRQLASAVKCKLELK
 TSLLARQRGTQSSLDRI RALLRLIQGEQMLQVAMATTSP TPLLAGPWTKPSTTTTMMHTTLQHPQNH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001081166

ORF Size: 1464 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_001081166.2](#), [NP_001074635.2](#)
RefSeq Size: 3755 bp

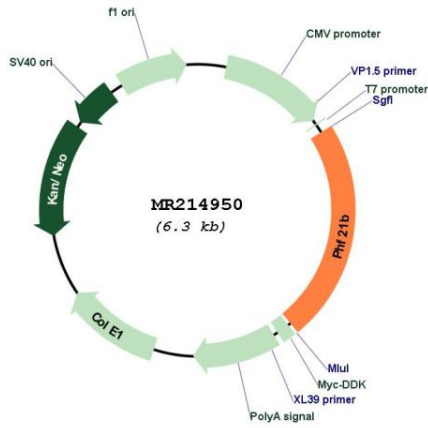
RefSeq ORF: 1464 bp

Locus ID: 271305

UniProt ID: [Q8C966](#)

Cytogenetics: 15 E2
 MW: 53 kDa

Product images:



Circular map for MR214950