

Product datasheet for **MG214950**

Phf21b (NM_001081166) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf21b (NM_001081166) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Phf21b
Synonyms:	A730032D07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG214950 representing NM_001081166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTGCAAAGCCGGTCCGAGGCGCTCGCGGTGGAACCTCGCGGCCACCAGAACGGCGACCTCAAGA
 AGCAGCTCCACGAAAGGCAGCCAGGATCGCAGCGCTCAGCGACAAACAAGCTTTGGGATCCACCACTGC
 AGTGCCTGTCACAGTCTCAGGTCAGCTCCCTGCAGAGTTGGCCGGCAAGGAGCAGCAGTGCTACCT
 CAGGTTAGGCCAAAGACTCTGATTCCAGACAGCCTCCCTGTACCCCGGGCAGGGACCGGCCACCCAAGC
 AACCCCAACATTCCAAAAGGCCACTGTGGTCAGCATCAAGAACCCAGCCAGCCCTCCCCTGCCAA
 CAACACCGTCAACCATGTGCAACACCCAGCAGCCAGACCAGGCCCTCACCGAGCCACCGCCATCAC
 TCACCCCTGAGCAGTGCCGGGTGGCTATGCCATCATCTCCACCTCCCCAGCAATGCTGCCACCATCA
 CCCCAGCACCCTGTGCCGTGGCCAGCGACAGCATCAAAGTGCAGCCCCTCTCATCAGTGCTGACAA
 AAAGTTATCATATTCAGCCACAAGTGAAGACACAGCCAGAGAGTTCAGCAGAGCCCGAGCCACCCAGC
 GAGGAGCCATCTCAGGGAGCTCAGGCCACCAAGGAAGATCAGCCCCCAACAAGGAGAATCTGAGAAAA
 TCGCCTTCATGGTAGCTCTAGGCCTGGTCAACGGAACACCTAGAAGAGATCCAGAGCAAGCGGCAAGGA
 GCGGAAGCGGAGGAGCACAGCAACCCCTGCCTATAGCGGCTTCTTGGAGACCGAGAGGAAGCGGCTGGCC
 TCCAGTTATCTCCACAACCCCTTGTTCCTCACAGCAGCAGCCAATGAGGACCCCTGCTGGAAGGGTGAAA
 TCACCCATGATGAATTCTGTGCTGCCTGCAAGCGAGGAGCCAGCCTGCAACCCCTGCGGCACCTGTTGAGG
 GGCTACCACCTCAGTGCCTGGACCGCCCTTAAGACGCCACCAAGGGCCTGTGGGTCTGCCCAAG
 TGCCAGCGGAAGGCTTAAGAAAGATGAGGGTGTGCCCTGGACTGGGATGCTGGCCATTGTACATTCT
 ATGTCAACCCACAAGACAGTGAAGAAGAGGAGAAGCAGAAATGTTGCAGCGTGGCAGTGAAGTGCAGTC
 TGAGCACCCAGCAGCTAGAGGAGCGGGACCGCAGCTGGCCTCAGCTGTGAAGAAATGCTTGGAGCTGAAG
 ACAAGCCTCCTGGCCGCAACGGGGCACACAGTCATCGCTGGACCGCATCCGGGCCCTCCTCAGACTGA
 TCCAGGGTGAAGCAGATGCTTCAAGTTCGCTATGGCAACCACCCAGCCCAACCCACTTCTGGCCGGGCCCTG
 GACCAAGCCTTCCACCACCACCACCATGCACACTACCCTCAGCACCCCAAGATCAACAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG214950 representing NM_001081166
 Red=Cloning site Green=Tags(s)

MELQSRSEALAVELARHQNGDLKKQLHERQPRIALSDKQALGSTTAVPVTGPQVSSLQRLAGQGAAVLP
 QVRPKTLIPDSLPTVTPGRDRPPKQPPTFQKATVVSINKNPSALPTANNTVNHVPTSSQTQALTEPTAIT
 SPLSSAGVAYAIISTSPSNAATITPSTTVPVASDSIKVQPLLSADKKVIIIQPVKTQPESSAEPEPPT
 EEPSQGAQATKEDQPPNKENPEKIAFMVALGLVTTEHLEEIQSKRQERKRRSTANPAYSGFLETERKRLA
 SSYLHNPLFLTARANEDPCWKGEITHDEFCAACKRGASLQPCGTCSGAYHLSCLDPPLKTPPKGLWVCPK
 CQRKALKKDEGVPWTGMLAIVHSYVTHKTVKEEEKQLLQRGSELQSEHQLEERDRQLASAVKCLELTK
 TSLLARQRGTQSSLDRIALLRLIQGEQMLQVAMATTSPTPLLAGPWTKPSTTTMHTTLQHPQNHN

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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