

Product datasheet for **RG234217**

PHF21B (NM_001242450) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF21B (NM_001242450) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF21B
Synonyms:	BHC80L; PHF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234217 representing NM_001242450
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGCGCAGCCACAGAACGGCGACCTCAAGAAGCAGCTCCACGAAAGCAGCCGCGGATCGCCGCGC
 TCAGCGACAAACAAGCTTTGGGAACGATCACTGCAGTGCCTGTCACGGGTCTCAGGTCACTCCTTGCA
 GAGGTTGGCCGGGCAAGGAGCGGCACTGCTACCTCAGGTTAGGCCAAAGACTCTGATTCCAGACAGCCTC
 CCCGTTGCCCGGGCCGGGACCGGCCACCCAAGCAGCCCCAACATTCCAGAAGGCCACCGTGGTCAGCG
 TCAAGAACCCAGCCAGCCCTCCCACCGCCAACACTGTCAGCCATGTGCCAGCGCCCGCAGCCA
 GCCCAGGCCCTCGCGAGCCCGCCGCTCGCTCTCCGCTGAGCAGTGCAGGGGTGGCTACGCCATC
 ATCTCCACCTCCCCAGCAATGCCGCCCATGGCCCCAGCACCGCCGTGTCTGTGGTCAGTGACAGCA
 TCAAAGTCCAGCCCTCCTCATCAGTGTGACAACAAGGTATCATCATTACGCCTCAAGTGCAGACGCA
 GCCCGAGAGCACGGCAGAGTCCGGCCGCCACAGAGGAGCCATCTCAGGGAGCTCAGGCCACAAAAAG
 AAGAAGGAAGACCGGCCCGACCCAGGAGAACCCCGAGAAAATCGCCTTCATGGTAGCGTAGGCCTGG
 TTACCACGGAACATTTGGAAGAAATCCAGAGCAAGCGACAGGAGCGGAAGAGAAGACACAGCCAAACC
 TGCTACAGCGGCTCTGGAGACCGAGAGGAAACGGCTGGCCTCCAACCTATCTCAACAACCCCTGTTT
 CTCACAGCGAGAGCCAATGAGGACCCCTGCTGGAAGAAGAGATCACCCACGATGAGCACTGTGCCGCT
 GCAAGCGAGGGGCAACCTGCAGCCCTGCGGCACCTGCCCGGGGCTACCACCTCAGCTGCCTGGAGCC
 GCCCTCAAGACGGCGCCAAGGGCGTGTGGGTGTGCCCAGGTGCCAGCAGAAGGCCTTAAGAAGAGC
 GAGGGTGTGCCCTGGACTGGGATGCTGGCCATCGTGCACCTTTATGTACCCACAAGAGTCAAAGAAG
 AGGAGAAGCAGAAGCTGCTGCAACGAGGAGTGCAGTGCAGAACGAGCACCAGCAGCTGGAGGAGGGGA
 CCGGCGGCTGGCGTCAGCAGTGCAGAAATGCCTGGAGTTGAAGACAAGCCTGTGGCCCGCCAGAGGGGC
 ACCCAGTCATCCCTGGACCGCCTGCGGGCCTCCTGAGACTGATACAGGGCGAGCAGCTGCTCAGGTCA
 CCATGACGACCACTAGCCCTGCCCACTGCTGGCCGGCCCTGGACCAAGCCCTCAGTGGCAGCCACACA
 CCCACCGTCCAGCACCCCGAGGCCAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234217 representing NM_001242450
 Red=Cloning site Green=Tags(s)

MRRQPQNGDLKKQLHERQPRIALSDKQALGTITAVPVTGPQVSSLQRLAGQGAAVLPQVRPKTLIPDSL
 PVAPGRDRPPKQPPTFQKATVSVKPNPSPALPTANNTVSHVPAPGSQPQALAEPAALASPLSSAGVAYAI
 ISTSPSNAAMAPSTAVSVSDSIKVQPLLSADNKVIIIQPVQTPPESTAESRPTEEPSQGAQATKK
 KKEDRPPTQENPEKIAFMVALGLVTTEHLEEIQSKRQERKRRSTANPAYSGLLETERRKRLASNYLNNPLF
 L TARANEDPCWKNEITHDEHCAACKRGANLQPCGTCPGAYHLSLEPPLKTA PKGVWVCPRCQKALKKD
 EGVPTWMLAIVHSYVTHKTVKEEEKQLLQRGSELQNEHQLEERDRRLASAVQKCLELKTSLARQRG
 TQSSLDRLRALLRLIQGEQLLQVTMTTSPAPLLAGPWTKPSVAATHPTVQHPQGHN

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001242450

ORF Size: 1431 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_001242450.1](#), [NP_001229379.1](#)

RefSeq Size: 3540 bp

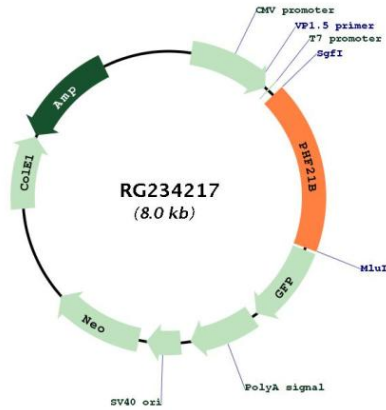
RefSeq ORF: 1434 bp

Locus ID: 112885

UniProt ID: [Q96EK2](#)

Cytogenetics: 22q13.31
 Protein Families: Druggable Genome, Transcription Factors

Product images:



Circular map for RG234217