

Product datasheet for **RC227020**

PHF21B (NM_001135862) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF21B (NM_001135862) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF21B
Synonyms:	BHC80L; PHF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC227020 representing NM_001135862
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGCAGAGCCGGCCGAGGCGCTCGCCGTGGAACCTCGCGGCCACCAGAACGGCGACCTCAAGA
 AGCAGCTCCACGAAAGGCAGCCGCGGATCGCCGCGCTCAGCGACAAACAAGCTTTGGGAACGATCACTGC
 AGTGCCTGTCACGGGTCCTCAGGTCAGCTCCTTGCAAGGTTGGCCGGCAAGGAGCGGCAGTGCTACCT
 CAGGTTAGGCCAAAGACTCTGATTCCAGACAGCCTCCCGTTGCCCGGGCCGGGACCGGCCACCCAAGC
 AGCCCCAACATTCCAGAAGGCCACCGTGGTCAGCGTCAAGAACCCAGCCAGCCCTCCCACCGCCAA
 CAACACTGTCAGCCATGTGCCAGCGCCCGCAGCCAGCCAGGCCCTCGCCGAGCCCGCCCTCGCC
 TCTCCGCTGAGCAGTGGGGGTGGCTACGCCATCATCTCCACCTCCCCAGCAATGCCCGGCCATGG
 CCCCCAGACCGCGTGTCTGTGGTCAGTGACAGCATCAAAGTCCAGCCCTCCTCATCAGTGCTGACAA
 CAAGGTATCATCATTACGCTCAAGTGCAGACGAGCCGAGAGCAGCGAGAGTCCGCGCCGCCACA
 GAGGAGCCATCTAGGGAGCTCAGGCCACAAAAGAAGAAGGAAGACCGCCCCGACCCAGGAGAACC
 CCGAGAAAATCGCCTTATGGTAGCGCTAGGCCTGGTTACCACGGAACATTTGGAAGAAATCCAGAGCAA
 GCGACAGGAGCGGAAGAGAAGAAGCACAGCCAACCTGCCTACAGCGGCCTCCTGGAGACCAGAGGAAA
 CGGCTGGCCTCCAATATCTCAACAACCCCTGTTCTCACAGCGAGAGCCAATGAGGACCCCTGCTGGA
 AGAACGAGATCACCCACGATGAGCACTGTGCCGCTGCAAGCGAGGGGCCAACCTGCAGCCCTGCGGCAC
 CTGCCCGGGGCTACCACCTCAGCTGCCTGGAGCCGCCCTCAAGACGGCGCCAAGGGCGTGTGGGTG
 TGCCCCAGGTGCCAGCAGAAGGCCTTAAGAAAAGACGAGGGTGTGCCCTGGACTGGGATGCTGGCCATCG
 TGCACTTTATGTCACCCACAAGACAGTCAAAGAAGAGGAGAAGCAGAAGCTGCTGCAACGAGGCATGA
 GCTGCAGAACGACACCAGCAGCTGGAGGAGCGGGACCGCGGCTGGCGTCAGCAGTGCAGAAATGCCTG
 GAGTTGAAGACAAGCCTGCTGGCCCGCCAGAGGGCACCCAGTATCCCTGGACCGCCTGCGGGCCCTCC
 TGAGACTGATACAGGGCAGCAGCTGCTCCAGGTACCATGACGACCACTAGCCCTGCCCACTGCTGGC
 CGGGCCCTGGACCAAGCCCTCAGTGGCAGCCACACACCCACCGTCCAGCACCCCGAGGCCACAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC227020 representing NM_001135862
 Red=Cloning site Green=Tags(s)

MELQSRPEALAVELARHQNDLKKQLHERQPRIALSQKQALGTITAVPVTGPQVSSLQRLAGQGAAVLP
 QVRPKTLIPDSLVPVAPGRDRPPKQPPTFQKATVSVKNPSPALPTANNTVSHVPAPGSQPQALAEPAALA
 SPLSSAGVAYAIISTSPSNAAMAPSTAVSVSDSIKVQPLLSADNKVIIIPQVQTQPESTAESRPPT
 EEPSQGAQATKKKKEDRPPTQENPEKIAFMVALGLVTEHLEEIQSKRQERKRRSTANPAYSGLLETERK
 RLASNLYNNPLFLTARANEDPCWKNEITHDEHCAACKRGANLQPCGTCPGAYHLSLEPPLKTPKGVWV
 CPRCQQKALKKDEGVPWTGMLAIVHSYVTHKTVKEEEKQLLQRGSELQNEHQLEERDRRLASAVQKCL
 ELKTSLLARQRTQSSLDRLRALLRLIQGEQLLQVTMTTSPAPLLAGPWTKPSVAATHPTVQHPQGHN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8063_a01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001135862

ORF Size: 1467 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_001135862.3](#)
RefSeq ORF: 1470 bp

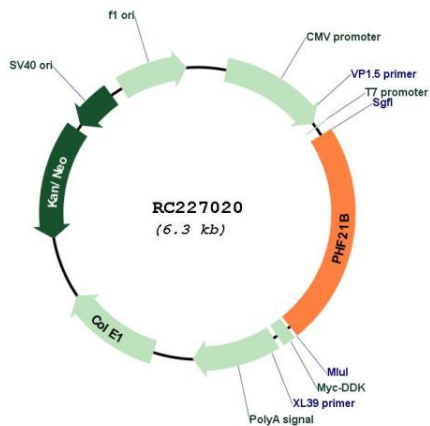
Locus ID: 112885

UniProt ID: [Q96EK2](#)
Cytogenetics: 22q13.31

Protein Families: Druggable Genome, Transcription Factors

MW: 52.9 kDa

Product images:



Circular map for RC227020