

## Product datasheet for **RC237466**

### PHF21B (NM\_001284296) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PHF21B (NM\_001284296) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PHF21B  
**Synonyms:** BHC80L; PHF4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC237466 representing NM\_001284296  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCCCAGCACCGCCGTGTCTGTGGTCAGTGACAGCATCAAAGTCCAGCCCCCTCTCATCAGTGCTG  
ACAACAAGGTCATCATCATTGAGCCTCAAGTGCAGACGCAGCCCGAGAGCACGGCAGAGTCGCGGCCGCC  
CACAGAGGAGCCATCTCAGGGAGCTCAGGCCACCAAAAAGAAGAAGGAAGACCGCCCCCGACCCAGGAG  
AACCCCGAGAAAATCGCCTTCATGGTAGCGCTAGGCTGGTTACCACGGAACATTTGGAAGAAATCCAGA  
GCAAGCGACAGGAGCGGAAGAGAAGAAGCACAGCCAACCCCTGCCTACAGCGGCCTCCTGGAGACCGAGAG  
GAAACGGCTGGCCTCCAATATCTCAACAACCCCTGTTCCCTCACAGCGAGAGCCAATGAGGACCCCTGC  
TGAAGAACGAGATCACCCACGATGAGCACTGTGCCGCTGCAAGCGAGGGGCAACCTGCAGCCCTGCG  
GCACCTGCCCCGGGGCCCTACCACCTCAGCTGCCTGGAGCCGCCCTCAAGACGGCGCCCAAGGGCGTGTG  
GGTGTGCCCCAGGTGCCAGCAGAAGGCCCTAAAGAAAGACGAGGGTGTGCCCTGGACTGGGATGCTGGCC  
ATCGTGCACTCTTATGTACCCACAAGACAGTCAAAGAAGAGGAGAAGCAGAAGCTGCTGCAACGAGGCA  
GTGAGCTGCAGAACGAGCACAGCAGCTGGAGGAGCGGGACCGCGGCTGGCGTCAGCAGTGCAGAAATG  
CCTGGAGTTGAAGACAAGCCTGCTGGCCCGCCAGAGGGGCACCCAGTCATCCCTGGACCGCTGCGGGCC  
CTCCTGAGACTGATACAGGGCGAGCAGCTGCTCCAGGTACCATGACGACCACTAGCCCTGCCCCACTGC  
TGGCCGGGCCCTGGACCAAGCCCTCAGTGGCAGCCACACACCCACCGTCCAGCACCCCCAGGGCCACAA  
C

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC237466 representing NM\_001284296  
 Red=Cloning site Green=Tags(s)

MAPSTAVSVVSDSIKVQPLLISADNKVIIQPQVQTQPESTAESRPPTTEEPSQGAQATKKKKEDRPPTQE  
 NPEKIAFMVALGLVTTEHLEEQSKRQERKRRSTANPAYSGLLETERKRLASNYLNNPLFLTARANEDPC  
 WKNEITHDEHCAACKRGANLQPCGTCPGAYHLSCEPLKKTAPKGVWVCPRCQQKALKKKDEGVPWTGMLA  
 IVHSYVTHKTVKEEEKQKLLQRGSELQNEHQLEERDRRLASAVQKCLELKTSLLARQRTQSSLDRLRA  
 LLRLIQGEQLLQVTMTTSPAPLLAGPWTKPSVAATHPTVQHPQGHN

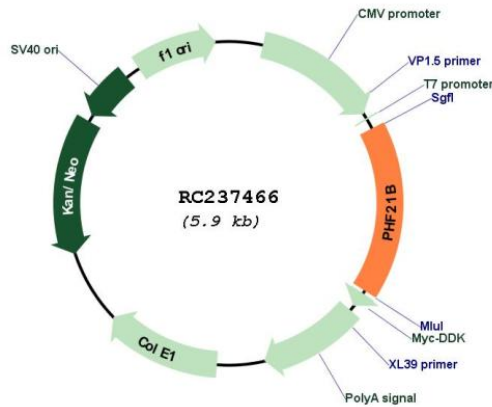
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001284296

**ORF Size:** 981 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001284296.2</a>
<b>RefSeq Size:</b>	3586 bp
<b>RefSeq ORF:</b>	984 bp
<b>Locus ID:</b>	112885
<b>UniProt ID:</b>	<a href="#">Q96EK2</a>
<b>Cytogenetics:</b>	22q13.31
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	36.8 kDa