

## Product datasheet for **RC214381**

### PHF21A (NM\_016621) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF21A (NM_016621) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF21A
Synonyms:	BHC80; BM-006; IDDBCS; NEDMS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC214381 representing NM\_016621  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGTTGCAGACTCTACAGGAGGCTCTTAAAGTGAAATTCAGGTTACCAGAAAACGGTTGCTCAA  
TGAAGCAGGATCCACAGAATGCTGACTTAAAGAAACAGCTTCATGAACTCCAAGCCAAAATCACAGCTTT  
GAGTGAGAAAACAGAAAAGAGTAGTTGAACAGCTACGGAAGAACCCTGATAGTAAAGCAAGAACAACCGGAC  
AAGTTCAAAATACAGCCATTGCCACAATCTGAAAACAAACACAAACAGCACAGCAGCAACCACTACAGC  
AACTACAACAACAGCAGCAGTACCACCACCACCGCCAGCAGTACAGCTGCAGCCTCTCCCAACCTGAC  
TGCTTACAGAAGACTGTAACACTACAGCTTCTATGATTACCACAAAGACACTACCTCTCGTCTTGAAAGCA  
GCAACTGCGACCATGCCTGCCTCTGTGGTGGGCCAGAGACCTACCATTGCTATGGTGACCGCCATCAACA  
GTCAGAAGGCTGTGCTCAGCACTGATGTGCAGAACACACCAGTCAACCTCCAGACGTCTAGTAAGGTCAC  
TGGGCCTGGGGCAGAGGCTGTCCAAATTGTGGCAAAAAACACAGTCACTCTGCAGGTTCCAGCAACACCT  
CCTCAGCCCATCAAAGTACCACAGTTTATCCCCCTCCTAGACTCACTCCACGTCCAAAATTTCTCCAC  
AGGTTCCGACCCAAAGCCTGTGGCCAGAATAACATTCTATTGCCCCAGCACCCACCTCCCATGCTCGCAGC  
TCCTCAGCTTATCCAGAGGCCCGTCATGCTGACCAAGTTCACCCCAACAACCTTCCACATCCCAGAAT  
TCCATCCACCCCGTCCGTGTCGTCATGGGCAGACTGCAACCATAGCCAAAACGTTCCCATGGCCAGC  
TCACCAGCATTGTGATAGCTACTCCAGGGACCAGACTCGCTGGACCTCAAACGTACAGCTTAGCAAAGCC  
AAGTCTTGAAAAACAGACAGTAAATCTCACACAGAAACAGATGAGAAAACAAACAGAGAGCCGACCATC  
ACCCACCTGCTGCACCCAAACCAACCGGGAGGAGAACCCCTCAGAAACTTGCCTTCATGGTGTCTCTAG  
GGTTGGTAACACATGACCATCTAGAAGAAATCCAAAGCAAGAGGCAAGAGCGAAAAAGAAGCAACACAGC  
AAATCCGGTCTACAGTGGAGCAGTCTTTGAGCCAGAGCGTAAGAAGAGTGCAGTGACATACCTAAACAGC  
ACAATGCACCCTGGGACCCGGAAGAGGCAATGAGGAACACTGGCCAAAGGGTATTCATGAGGATT  
TTTGACAGCTTTGCAGAAAAAGTGGCCAGTTACTGATGTGCGACACATGTTCCCGTGATATCATTGGAA  
CTGCTTAGACCCCTCTGAAAACAATTCCAAGGGCATGTGGATCTGTCCAGATGTCAGGACCAGATG  
CTGAAGAAGGAAGAAGCAATCCATGGCCTGGAACCTTAGCAATTGTTTCATTCTATATTGCCTACAAAG  
CAGCAAAAGAAGAAGAGAAAACAGAAGTTACTTAAATGGAGTTCAGATTTAAAACAAGAACGAGAACAAC  
AGAGCAAAAGGTGAAACAGCTCAGCAATCCATAAGTAAATGCATGGAATGAAGAACACCATCCTGGCC  
CGGCAGAAGGAGATGCACAGCTCCCTGGAGAAGGTAACAGCTGATTGCCTCATCCACGGCATCGACC  
TCTCAAACCTGTAGACTCTGAGGCCACTGTGGGGCCATCTCCAATGGCCCGGACTGCACCCCTCTGC  
CAATGCCGCCACCTCCACGCCGGCCCTTCCCCCTCCTCCAGAGCTGCACAGCGAACTGTAAACCAGGGG  
GAAGAGACTAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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\\_016621.5](#)

**RefSeq Size:** 7194 bp

**RefSeq ORF:** 1905 bp

**Locus ID:** 51317

**UniProt ID:** [Q96BD5](#)

**Cytogenetics:** 11p11.2

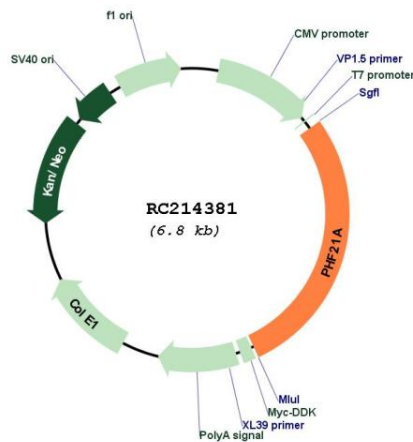
**Domains:** PHD

**Protein Families:** Druggable Genome, Transcription Factors

**MW:** 70 kDa

**Gene Summary:** The PHF21A gene encodes BHC80, a component of a BRAF35 (MIM 605535)/histone deacetylase (HDAC; see MIM 601241) complex (BHC) that mediates repression of neuron-specific genes through the cis-regulatory element known as repressor element-1 (RE1) or neural restrictive silencer (NRS) (Hakimi et al., 2002 [PubMed 12032298]).[supplied by OMIM, Nov 2010]

**Product images:**



Circular map for RC214381