

Product datasheet for **SC316961**

PHF21A (NM_001101802) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF21A (NM_001101802) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >SC316961 representing NM_001101802.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGTTGCAGACTCTACAGGAGGCTCTTAAAGTGAAATTCAGGTTACCAGAAAACGGTTGCTCAA
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GACAAGTTCCAAATACAGCCATTGCCACAATCTGAAAACAAAACATAAACAGCACAGCAGCAACCACTA
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CATTCTATATTGCTACAAAGCAGCAAAAGAAGAAGAGAAACAGAAGTTACTTAAATGGAGTTCAGAT
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AGCTGCACAGCGAACTGTAACCGGGGGAAGAGACTAAATAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

Plasmid Map: □

ACCN: NM_001101802

Insert Size: 2043 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_001101802.1
RefSeq Size:	7332 bp
RefSeq ORF:	2043 bp
Locus ID:	51317
UniProt ID:	Q96BD5
Cytogenetics:	11p11.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	74.9 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform a.</p>