

Product datasheet for **MC204034**

Phf21a (NM_138755) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf21a (NM_138755) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phf21a
Synonyms:	80kDa; Bhc; Bhc80; D030065N23Rik; PFTF1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC019181
CCACGCGTCCGGCCAGCAGCAGGAGGGGGACTGGAGAGCTGAAGGAGCGCCAGCTTCTCCAGAATTGGAC
TTCTCAGAACCTTTAATATGCTAATGTGCTTGTGAATCTCCAAGATGGGGATATGATATGCAGCATTCT
TGAATACTTCTAATGACAGGGAGCCACTACCTCATAAGCTGCAGCAACAAGAGGAGCTTGTAAATTTAA
ACGGAGGCTGAAGACTGTAGAATTAGCAGACATAAGAGAGCGTGGAGAAGGCAGAGGATGGAGTTGCA
GACTCTACAGGAGGCTCTAAAGTGAAATTCAGGTTCAACAGAACTGGTTGCCAAATGAAGCAGGAT
CCACAGAATGCTGACTTAAAGAAACAGCTTCATGAACTCCAAGCCAAAATCACAGCTTTGAGTGAGAAAC
AGAAAAGAGTAGTTGAGCAGCTGCGCAAGAACCTGATAGTCAAACAAGAGCAGCCGGACAAGTTCCAGAT
ACAGCCATTGTGACAGTCTGAAAACAACTACAAAACAGCACAGCAGCAGCCACTACAGCCACTGCAGCAG
CAGCAACCGCAGCAACCGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG
CGCCTAGTCTAACTGCATCACAGGTTCAAGCAACACCTCCTCAGCCCATCAAAGTACCACAGTTTATCCC
TCCTCCTAGACTCACTCCAGCCCAAATTCCTCCACAGGTTGACCCAAAGCCTGTGGCCAGAATAAC
ATTCTATCGCTCCAGCGCTCCTCCCATGCTTGACGCTCCTCAGCTTATCCAGAGGCTGTCATGCTGA
CCAAGTTTACACCCACAACCTCCCCACATCCAGAATCCATCCACCCTGTCCGTTTGTCAATGGACA
GACTGCAACCATAGCCAAAACGTTCCCATGGCCAGCTCACCAGCATTGTCATAGCTACTCCAGGGACC
AGACTCGCTGGACCTCAGACTGTACAGCTTAGCAAACCAAGCCTGGAGAAACAGACAGTTAAATCCACC
CAGAAGCAGAGGAAAAACAAGCAGAGAGCCGTACCGTTACCCACCTGCTGCACCAAAAACAAAACGAGA
AGAGAACCCTCAGAACTTGCTTTCATGGTGTCTCTAGGGTTGGTAACACATGACCATCTAGAAGAAATC
CAAAGCAAAGAGGCAAGAAAGAAAGAGAAGAAACAACAGCAAACCCGGTGTACAGTGGGGCTGCTTTGAGC
CAGAGCGTAAGAAGAGTGCAGTCACTTACCTTAACAGCACAAATGCATCCTGGGACGCGGAAGAGAGCCAA
TGAGGAACACTGGCCAAAGGGCGATATCCATGAGGATTTTTGAGTGTGTCAGAAAAAGTGGCCAGTTG
CTGATGTGTGACACGTGTCCCAGATGTCAGGACCAGATGCTAAAGAAAGGAAGAAGCAATTCCTTGGCCTGG
AACCTTAGCCATTGTTTCATTCCTACATCGCCTACAAAGCAGCAAAAAGAAGAGGAGAAACAGAAGCTACTT
AAGTGGAGTTGATTTAAAACAGGAGCGGAACAACCTGGAGCAGAAGGTCAAAGAGCTCAGCAGTTCTA
TAAGTAAATGTATGGAGATGAAGAGCAGCATCCTGGCGCGCAGAAAGAGATGCGCAGCTCCCTGGACAA
GGTGAAGCGGCTCATCCGCTTGTGCATGGCGTCGACCTTGCAGACCTGTGGACTCAGAGGCCACGGCG
GGGGCCCTCTCAATGGCCAGACTGCACTCCCTGCCAACGCCGCTCCACACCCGCCCTTCCCTCCCT
CCTCGCAGAGCTGCACAGCGAAGTGAACCAGGGGAAGAGACTAAATAACAGAGCCCTCGAGGCGGACA
TGCCACAGTCTGGTGGCAGGAGACGCTAGAAGAGCAAAGCCGATTTCTTCTGAAAAGTACAGAGTTC
TTTTGGTCTTTGGTCCAGAGAGAGAGAAGATGCTTGTGCCAGGTGGCACCAGTTTGGCAATGATT
CTTGTTATTCTGTGTACATGCAAAGACTGGACCATGTTACATGAAATAGTGCCAGCTGGAGGTTCTTT
GCCAGCACCATGCCAAGTGACATAATATATACTCTCTATTATACACCAGTGTGTGCCTCGACAGCC
TCCACAGCCACGGTGGTTCGTTTTGTTTTGTTGGTGGGAGCAGGGACGGGGAGGGAGGAGAGCA
GGTTTCAGATCCTTACTGGGAGCCGTTTGTAGGTAGAAAGACAAGTCCAAAGAGTGTGTGGGCTTTC
TGTTCTAAACTTTTCACTACCATAAAAACCAAAAACGAAAAAAGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_138755

Insert Size: 1671 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).

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: [BC019181](#), [AAH19181](#)

RefSeq Size: 2446 bp

RefSeq ORF: 1671 bp

Locus ID: 192285

UniProt ID: [Q6ZPK0](#)

Cytogenetics: 2 E1

Gene Summary: Component of the BHC complex, a corepressor complex that represses transcription of neuron-specific genes in non-neuronal cells. The BHC complex is recruited at RE1/NRSE sites by REST and acts by deacetylating and demethylating specific sites on histones, thereby acting as a chromatin modifier. In the BHC complex, it may act as a scaffold. Inhibits KDM1A-mediated demethylation of 'Lys-4' of histone H3 in vitro, suggesting a role in demethylation regulation (By similarity).[UniProtKB/Swiss-Prot Function]