

Product datasheet for **MR224824**

Phf21a (NM_001109690) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Phf21a (NM_001109690) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Phf21a
Synonyms:	80kDa; Bhc; Bhc80; D030065N23Rik; PFTF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224824 representing NM_001109690
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTTGCAGACTCTACAGGAGGCTCTTAAAGTGAAATTCAGGTTCCACCAGAACTGGTTGCCCAA
 TGAAGCAGGATCCACAGAATGCTGACTTAAAGAAACAGCTTCATGAACTCCAAGCCAAAAACACAGCTTT
 GAGTGAGAAACAGAAAAGAGTAGTTGAGCAGCTGCGCAAGAACCTGATAGTCAAACAAGAGCAGCCGGAC
 AAGTTCCAGATACAGCCATTGTACAGTCTGAAAACAAACACAAACAGCACAGCAGCAGCCACTACAGC
 CACTGCAGCAGCAACCGCAGCAACCGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAGC
 AGCAGCAGCACCCGCTAGTCTAACTGCATCACAGAAGACTGTAACACAGCTTCTATGATTACCACAAAAG
 AACTACCTCTCGTCTTGAAAGCAGCAACTGCGACCATGCCTGCCTCTGTGTGGCCAGAGACCTACCA
 TTGCTATGGTGACCGCCATCAACAGCCAGAAGGCTGTGCTCAGCACTGATGTGCAGAACACACCAGTCAA
 CCTCCAGACGTCTAGTAAGGTCCTGGGCTGGGGCAGAGGCTGTCCAAATTGTGGCAAAAAACACAGTC
 ACTCTGCAGGTTCAAGCAACACCTCCTCAGCCCATCAAAGTACCACAGTTTATCCCTCCTCTAGACTCA
 CTCCACGCCAAAACCTTCCCTCCACAGGTTGACCCAAAGCCTGTGGCCAGAAATAACATTCCTATCGTCC
 AGCGCCTCCTCCCATGCTTGAGCTCCTCAGCTTATCCAGAGGCTGTGCTGCTGACCAAGTTTACACCC
 ACAACCTCCTCCACATCCAGAAATTCATCCACCTGTCCGTGTTGTCAATGGACAGACTGCAACCATAG
 CCAAAACGTTCCCATGGCCAGCTCACCAGCATTGTCAAGCTACTCCAGGGACCAGACTCCCTGGACC
 TCAGACTGTACAGCTTAGCAAACCAAGCCTGGAGAAACAGACAGTTAAATCCCACCCAGAAGCAGAGGAA
 AAACAAGCAGAGAGCCGTACCGTTACCCACCTGCTGCACAAAACAAAACGAGAAGAGAACCCCTCAGA
 AACTTGCCTTCATGGTGTCTCTAGGGTTGGTAACACATGACCATCTAGAAGAAATCCAAAGCAAGAGGCA
 GGAAAGAAAGAGAAGAACAACAGCAAACCCGGGTACAGTGGGGCTGTCTTTGAGCCAGAGCGTAAGAAG
 AGTGACGTCACTTACCTAACAGCAAAATGCATCCTGGGACGCGGAAGAGAGGTCGCTCCAAAATACA
 ATGCGGTGCTGGGTTTGGAGCCCTTACCCCAACATCCCCCATCCAGTCATCCCGACTCCCTGAAAA
 TGAAAAGACAGAGACCACATTCCTTCCCTGCACCTGTTGAGCCTGTGCTTTGCCAGCCCCACCTCC
 ACAGACGGTGATATCCATGAGGATTTTGCAGTGTTCAGAAAAAGTGGCCAGTTGCTGATGTGTGACA
 CGTGTCCCGTGTATCATCTGGACTGCTTAGAGCCGCCCTGAAAACAATTCCAAGGGCATGTGGAT
 CTGTCCCAGATGTCAGGACCAGATGCTAAAGAAGGAAGAAGCAATTCCTGGCCTGGAACCTTAGCCATT
 GTTCATTCTACATCGCCTACAAAGCAGCAAAAGAAGAGGAGAAACAGAAGCTACTTAAGTGGAGTTCAG
 ATTTAAAACAGGAGCGGGAACAACCTGGAGCAGAAGGTCAAAGAGCTCAGCAGTTCTATAAGTAAATGTAT
 GGAGATGAAGAGCAGCATCCTGGCGCGGAGAAGGAGATGCGCAGCTCCCTGGACAAGGTGAAGCGGCTC
 ATCCGCTTGTGCATGGCGTGCACCTCTGCAGACCTGTGGACTCAGAGGCCACGGCGGGGCCCTCTCCA
 ATGGCCAGACTGCACTCCCCCTGCCAACGCCCTCCACACCCGCCCTTCCCCCTCCTCGCAGAGCTG
 CACAGCGAACTGTAACAGGGGGAAGAGACTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 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_001109690.2](#)

RefSeq Size: 6328 bp

RefSeq ORF: 2067 bp

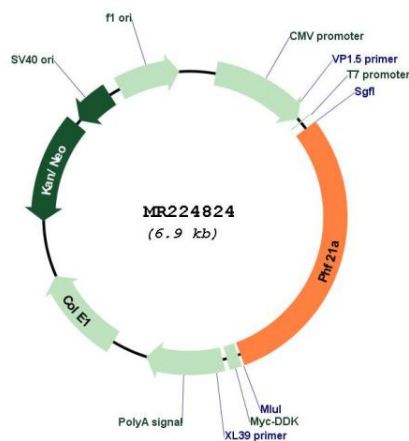
Locus ID: 192285

Cytogenetics: 2 E1

MW: 76.1 kDa

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]

Product images:



Circular map for MR224824