

## Product datasheet for **MC223127**

### Phf20 (BC060121) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phf20 (BC060121) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phf20
Synonyms:	6820402O20Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC060121 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCAAGCACCCACCTAACAGACGAGGAATCAGCTTTGAAGTGGGAGCCAGTTGGAAGCTCGGGACC  
GTTTTAAAAACTGGTATCCAGCTCATATTGAAGACATTGACTACGAAGAAGGGAGAGTTCTCATCCATTT  
CAAGCGTTGGAACCATCGTTACGATGAGTGGTTTTGCTGGGACAGTCCTTATCTGCGCCCTTTAGAGAAG  
ATCCAGCTGAGGAAAGAGGGTTTACATGATGAGGATGGCTCTTCTGAATTTCAAATAAACGCAAGTGC  
TTGCTTGCTGGTCTGACTGTCGATTTTATCCAGCCAGAGTCACTGCTGTGAACAAGGATGGTACTTACAC  
TGTGAAATTTTATGATGGAGTAGTTCAAACGTCAAACATATTCAATGTCAAAGCTTTTTCCAAAGATCAG  
AATATTGTGGGTAATGCTAGGCCAAAGAAACAGACCACAAAAGTCTTTTCATCGTCTCCTGAGAAACGAG  
AGAAGTTTAAAGAACAGAGAAAAGTACCGGTCATGTGAAGAAAGACAAAGTGGAAAAAGCCTTAAAGAC  
AGAAAAGCGGCCCAAGCAACCTGACAAAGAGGGAAAGCTGATCTGCTCAGAAAAAGGCAAAGTGTGAGAG  
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ATGCCAGGTGGAAAAGAAGCCTGAGAAGGACCTTGTGAAGAACCCACAAGAGAACCTGAAGGAGCCAAA  
AAGAAAACGAGGCAGACCCCTTCCATAACTCCTACGGCTGTGGATTCAAACCTCAAACCTTTGCAACCA  
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CATACGGTTGATACAAACCCTCTACCAGACAAGTCAACCCAGTGCCAAGGATTCGCTGAAGGTGAGTTGA  
AGTCTCCATTGGAAGCTGGCCAGGTCTCTTCTGCATTAATTGCCACCCATTGGGGATGGCCTGGGGG  
AGCAGATTTGGAGTTGAATTGCAAGTCAATGGGAGAAAACACGATGAAAACAGAACCTGTTCTCCTCTT  
GCTGAGGTGCAGGAAGTTCAACTGTTGAAGTTCAAATACTTTGAAGAAAGTTGATGACTCTGTGACGT  
TGAATGTGCCAGCTGTGGACCTAGACCACAAGTTTCGATGCAAGTTCTGGACTGTTGAAATTTTCCG  
CAAGGCTAAATTGCTGCACTATCATATGAAGTATTTCCATGGGATGGAGAAGTCACCAGAGCCAGAGGAG  
GGCCAGGGAAGACGCATGTACAGACTCGGGGCTCTCGGTTGCCTGACAAGACAAGCCAGGAGAGCCTAA



CCAGGAAGCGGGTCTCTGCCAGTCCCCCACTGCAAAAGAGAAGGAAAAGACTAAAGAGAAGAAATTC  
 AGAACTTGTGAGAGTGAAGCCAAAGAAGAAGAAATTCAAAGAAGTGTGAGAGTGAAGCCAAAGAAGAAA  
 AAGAAAAAGAAAAGAAAACCAAGCCTGAATGTCCTGCAGTGAGGACATCAGTGATACTCCCAGGAAC  
 CTTCTCCACCCAAAACATTTGCTGTACCAGGTGTGGGTCTCACACAAGCCTGGGGTCCATATGAGCCC  
 GCAGCTCCATGGTTCAGATAATGAAACCACAAAGGAAATGAAAACCTGTGAGGAGGATAATTTGAGT  
 GAGTCTCTTCCGAGAGCTTTCTTTGGAGTGATGAGGAATATGGTCAAGATGTTGATGTGACCACCAACC  
 CAGATGAGGAGCTTGAGGGCGACGACCGCTATGATTTTGAGGTGGTCCGCTGCATCTGTGAAGTGCAGGA  
 GGAAAATGACTTCATGATTCAGTGTGAAGAGTGCCAGTGCTGGCAGCACGGGGTCTGCATGGGCTTACTG  
 GAAGAAAACGTGCCTGAGAAATACACCTGCTATGTTTGCCAAGACCCCTCCAGGTGAGAGGCTGGCTTCA  
 AGTACTGGTATGACAAGGAGTGGCTGAGCCGGGGACACATGCATGGTCTGGCATTCTGGATCAGAACTA  
 CTCCCACCAGAATGCCAGGAAGATCGTGGCCACCACCAGCTGCTCGGGGACGTGCAGAGAGTATCCAA  
 GTGCTGCACGGCTGCAGCTCAAGATGAGCATTCTCAAAGCAGAGAGCATCCTGATCTGCAGCTATGGT  
 GCCAGCCCTGGAAACAGCACTCGGGGGAGGAAGAGCACATCCCAGACACATCCACATCACAGACGCCAG  
 GAGCGAGGAGTCCCAAGCTATAGAAGTTGAATGGGGCGGTGGAGAAGCCATCGCCCTGCCCGATCT  
 GTGGAGGAGTCTTACATCACCAGTGAGCATTGCTACCAGAAACCTCGCGCTATTATCCCCTGTGGAGC  
 AGAGGCTGGTCTGGAGACGAGAGGCTCTGCCCTTGATGCTGCAGTCAAGCCCTCTGTGAGAACGGCGA  
 CGACTCCCTCTCCCTCGCTAGGCTGGCCATCGACCAAGACAGGAGCAGAGGGCAGATAGATCCCAAA  
 CCCAGTCCCAAGGTGAGAGAGTACATTTCCAAGAATGCTTGGCAGAAGAGACGCCTGCAAGGAAGC  
 TGCTGGACAGAGGTGGAGAAGGGCTGGTGGAGTCTCAGCACCAGTGGCAGTTCAACCTGCTCACACATGT  
 GGAGTCCCTGCAGGATGAGGTGACGCACCGGATGGACTCCATTGAGAAGGAGCTGGACGTGCTGGAGAGC  
 TGGCTGGACTACACTGGGGAGCTGGAGCCCCAGGCCACTGGCCAGGCTTCCGCAGCTCAAGCACTGCA  
 TCAAGCAGCTGCTGACTGACCTGGGCAAGGTGCAGCAGATCGCCCTCTGCTGCTCGACATGA

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC060121
- Insert Size:** 3072 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:** [BC060121](#), [AAH60121](#)
- RefSeq Size:** 5665 bp
- RefSeq ORF:** 3071 bp

**Locus ID:** 228829

**Cytogenetics:** 2 H1

**Gene Summary:** Contributes to methyllysine-dependent p53/TP53 stabilization and up-regulation after DNA damage (By similarity). Methyllysine-binding protein, component of the MOF histone acetyltransferase protein complex. Not required for maintaining the global histone H4 'Lys-16' acetylation (H4K16ac) levels or locus specific histone acetylation, but instead works downstream in transcriptional regulation of MOF target genes. As part of the NSL complex it may be involved in acetylation of nucleosomal histone H4 on several lysine residues. [UniProtKB/Swiss-Prot Function]