

Product datasheet for MC223186

Phf20 (NM_172674) Mouse Untagged Clone

Product data:

| | |
|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Phf20 (NM_172674) 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: | >MC223186 representing NM_172674 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACCAAGCACCCACCTAACAGACGAGGAATCAGCTTTGAAGTGGGAGCCAGTTGGAAGCTCGGGACC
GTTTAAAAAACTGGTATCCAGCTCATATTGAAGACATTGACTACGAAGAAGGGAGAGTTCTCATCCATTT
CAAGCGTTGGAACCATCGTTACGATGAGTGGTTTTGCTGGGACAGTCCTTATCTGCGCCCTTTAGAGAAG
ATCCAGCTGAGGAAAGAGGGTTTACATGATGAGGATGGCTCTTCTGAATTTCAAATAAACAGCAAGTGC
TTGCTTGCTGGTCTGACTGTCGATTTTATCCAGCCAGAGTCACTGCTGTGAACAAGGATGGTACTTACAC
TGTGAAATTTTATGATGGAGTAGTTCAAACGTCAAACATATTCATGTCAAAGCTTTTTCCAAAGATCAG
AATATTGTGGTAATGCTAGGCCAAAGAAACAGACCACAAAAGTCTTTCATCGTCTCCTGAGAAACGAG
AGAAGTTTAAAGAACAGAGAAAAGTACCGGTCATGTGAAGAAAGACAAAGTGGAAAAAGCCTTAAAGAC
AGAAAAGCGGCCAAGCAACCTGACAAAGAGGGAAAGCTGATCTGCTCAGAAAAAGGCAAAGTGTGAGAG
AAAAGCCTTCTAAGAACGAAAAGGAAGATAAGGAGAACATTTCCGAGAACGAGCGGGAGTACTCCGGGG
ATGCCCAGGTGGAAAAGAAGCCTGAGAAGGACCTTGTGAAGAACCACAAGAGAACCTGAAGGACCCAAA
AAGAAAACGAGGCAGACCCCTTCCATAACTCCTACGGCTGTGGATTCAAACCTCAAACCTTTGCAACCA
ATAACATTGGAATTGAGAAGACGAAAATATCAAACGAAGTGACACCCCATTAAGCGTCCCAGACTCG
ACAAAAATTCACCCAGGAACAGTCAAAAAACGCTCTGAAAATAGTGACAAAGACTTATCCAGGAGACG
GTCCTCCAGGCTGTCCACTAATGGGACCCGTGAGATCCTAGATCCTGACTCGATTGTACCTGATCTGGTT
CATACGGTTGATACAAACCCTCTACCAGACAAGTCAACCCAGTGCCAAGGATTCTGCTGAAGGTGAGTTGA
AGTCTCCATTGGAAGCTGGCCAGGTCTCTTCTGCATTAACCTGCCACCCATTGGGGATGGCCTGGGGG
AGCAGATTTGGAGTTGAATTGCAAGTCAATGGGAGAAAACACGATGAAAACAGAACCTGTTCTCCTCTT
GCTGAGGTGCAGGAAGTTCAACTGTTGAAGTTCAAATACTTTGAAGAAAGTTGATGACTCTGTGACGT
TGAATGTGCCAGCTGTGGACCTAGACCACAAGTTTCGATGCAAGTTCTGGACTGTTGAAATTTTCCG
CAAGGCTAAATTGCTGCACTATCATATGAAGTATTTCCATGGGATGGAGAAGTCAACAGGCCAGAGGAG
GGCCAGGGAAGACGCATGTACAGACTCGGGGCTCTCGGCTGCTGACAAGACAAGCCAGGAGAGCCTAA



[View online »](#)

CCAGGAAGCGGGTCTCTGCCAGTTCCTCCCACTGCAAAAGAGAAGGAAAAGACTAAAGAGAAGAAATTC
 AGAACTTGTGAGAGTGAAGCCAAAGAAGAAAAAGAAAAAGAAAAAGAAAACCAAGCCTGAATGTCCTGC
 AGTGAGGACATCAGTGACTTCCCAGGAACCTTCTCCACCCAAAACATTTGCTGTACCAGGTGTGGGT
 CCTCACACAAGCCTGGGGTCCATATGAGCCCGCAGCTCCATGGTTCAGATAATGGAACCACAAAGGAA
 ATTGAAAACCTGTGAGGAGGATAATTTGAGTGAGTCTCTCCGAGAGCTTTCTTTGGAGTGATGAGGAA
 TATGGTCAAGATGTTGATGTGACCACCAACCCAGATGAGGAGCTTGAGGGCGACGACCCGATGATTTTG
 AGGTGGTCCGCTGCATCTGTGAAGTGCAGGAGGAAAATGACTTCATGATTCAGTGTGAAGAGTGCCAGTG
 CTGGCAGCACGGGGTCTGCATGGGCTTACTGGAAGAAAACGTGCCTGAGAAATACACCTGCTATGTTTGC
 CAAGACCTCCAGGTGAGAGGCTGGCTTCAAGTACTGGTATGACAAGGAGTGGCTGAGCCGGGACACA
 TGCATGGTCTGGCATTCTGGATCAGAATACTCCACCAGAATGCCAGGAAGATCGTGGCCACCCACCA
 GCTGCTCGGGGACGTGCAGAGAGTGATCCAAGTGTGCACGGCCTGCAGCTCAAGATGAGCATTCTGCAA
 AGCAGAGAGCATCCTGATCTGCAGCTATGGTGCCAGCCCTGGAACAGCACTCGGGGGAGGGAAGAGCAC
 ATCCCAGACACATCCACATCACAGACGCCAGGAGCGAGGAGTCCCAAGCTATAGAATTTGAATGGGGC
 GGTGGAGAAGCCATCGCCCTGCCCGATCTGTGGAGGAGTCTTACATCACCAGTGAGCATTGCTACCAG
 AAACCTCGCGCTATTATCCCGCTGTGGAGCAGAGGCTGGTCTGGAGACGAGAGGCTCTGCCCTTGATG
 CTGCAGTCAGCCCTCTGTGAGAACGGCGACACTCCCTCTCCCTCGCTAGGCTGGCCATCGACCA
 AGACAGGAGCAGAGGCGACATAGATCCCAAACCCAGCTCCCAAAGGTGAGAGAGTACATTTCAAGAAT
 GTCTTGCCAGAAGAGACGCTGCAAGGAAGTGTGGACAGAGGTGGAGAAGGGCTGGTGAAGTCTCAGC
 ACCAGTGGCAGTTCAACCTGCTCACACATGTGGAGTCCCTGCAGGATGAGGTGACGCACCCGGATGGACTC
 CATTGAGAAGGAGCTGGACGTGCTGGAGAGCTGGCTGGACTACACTGGGGAGCTGGAGCCCCAGAGCCA
 CTGGCCAGGCTTCCGAGCTCAAGCACTGCATCAAGCAGCTGTGACTGACCTGGCAAGGTGCAGCAGA
 TCGCCCTCTGCTGCTCGACATGA

ACGCGTACGCGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172674
- Insert Size:** 3033 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:** [NM_172674.2](#), [NP_766262.2](#)
- RefSeq Size:** 5752 bp
- RefSeq ORF:** 3033 bp

Locus ID: 228829

UniProt ID: [Q8BLG0](#)

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]