

## Product datasheet for **MC218965**

### Phf1 (NM\_009343) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Phf1 (NM_009343) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Phf1
Synonyms:	AW557215; D17Ertd455; D17Ertd455e; mPc; Pcl1; PHF; Phf2; Tctex3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC218965 representing NM\_009343  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGCAGCTCCCCGGCTGAGCCGTTTGGGTGCCCCCTCTCTGCGGATCCAGCTTCCCCTGCTCCCA  
 CCTCAGGCCCCAGACCTCGGCTTTGGGAAGGCCAAGATGTGCTGGCCAGATGGACTGATGGGCTGCTGTA  
 CTTGGGTACCATCAAAAAGGTGGACAGTCTCGAGAGGTGTGTCTGGTCCAGTTTGGAGCAGATTCCAG  
 TTTCTGGTTCTATGGAAGGATATCAGCCCAGCTGCCCTCCCTGGGGAGGAGCTGCTCTGTGTGTGTGTC  
 GCTCTGAGACCGTGGTACCTGGGAACCGGCTGGTCACTGTGAGAAGTGTGCGCCATGCTTATCACCAGGA  
 CTGTCACGTTCCAGGGCCCCGGCCCTGGAGAAGGAGAGGGCGCATCTGGGTATGCCGCCAGTGTGTC  
 TTTGCAATCGCCACTAAGAGGGGAGGCGCACTGAAGAAAGGTCCCTATGCCCGGGCCATGCTGGGCATGA  
 AGCTCTCCCTGCCATACGGATTAAGAGGGCTGGACTGGGATGCTGGACATTTGAGCAACAGACAGCAGAG  
 CTACTGCTACTGTGGAGGCCCTGGAGAGTGAACCTGAAAATGCTGCAGTGCCGGAGCTGCCTCCAGTGG  
 TTCCATGAGGCCATGACCCAGTGTCTGAGCAAGCCCTCCTCTACGGAGACAGATTCTATGAATTTGAGT  
 GCTGTGTGTGCCGGGGCGCCCTGAGAAGTCCGGAGGTTACAGCTTCGCTGGGTGGATGTGGCCCATCT  
 TGTCTCTACCACCTCAGCGTTTGTGTAAGAAGAAATATTTGATTTTGACCGAGAGATCTCCCTTC  
 ACCTCTGAGAATTGGGACAGTCTGCTCCTGGGGAGCTCTCAGATACTCCCAAGGAGAGCGCTCTTCCC  
 AGCTCCTTTCTGCTCTTAACAGCCACAAGGACCGTTTCATTTTCAGGGAGGGAGATTAAGAGCGAAAATG  
 TCTTTTTGGTCTCATGCTCGGACCCCTCCTCCTGTGGAGCTTCTCACTGGAGATGGAGCCCCACCAGC  
 TTCCTTCAGGGCAGGGCCCTGGGGAGGGGTCTCACGTCCCCTGGGAAACGATGGAGGTCGGAGCCAG  
 AACCTTAAGGAGGAGGAGAGAGGGGAAAGTGGAGGAACCTGGGGCCACCCACGGCAGCACAGCTGGCA  
 TGGGTCCCGGGAGCAGAGGGCCCTGCAGGCCTCGGTGTCTCCACCACCCCGCCCTAACCAGAGCTAT  
 GAGGGCAGCAGCGGCTACAACCTCCGGCCACAGACGCCCGTGTCTGCCAGCAGCCCTATCCGGATGT  
 TCGCCTCCTTCCACCTTCTGCCAGCACTGCAGGGACCTCTGGGGACAGTGAACCCCCAGATAGGTCACC  
 TCTGGGACTTACATTGGCTTCCCCACAGACACCCCTAAAAGTTCACCCCACTCAGTGACGGCCTCATCT  
 TCCTCGGTCCCAGCCCTGACCCAGGCTTTTCCAGACATTCACCCCTTCTCCCTGTGCCGTAGTCTGT  
 CTCGGGGACTGGGGAGGAGTCCGAGGTGGGGTTAGCTACCTGTCCCGAGGGGACCCTGTGAGGGTCT  
 TGCTCGAAGAGTGCAGCCCTGACGGCTCTGTGCAGTACCTAGTTGAGTGGGGAGGGGGGGCATCTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_009343

**Insert Size:** 1680 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\\_009343.3](#), [NP\\_033369.2](#)

**RefSeq Size:** 2447 bp

**RefSeq ORF:** 1680 bp

**Locus ID:** 21652

**UniProt ID:** [Q9Z1B8](#)

**Cytogenetics:** 17 13.6 cM

**Gene Summary:** The protein encoded by this gene belongs to the polycomb-like protein family, which is a component of polycomb repressive complex-2. This complex represses gene expression by catalyzing the trimethylation of histone H3 lysine 27 and is required for the regulation of developmental genes including homeotic genes. The gene is expressed primarily in testis tissue. Small interfering RNA-mediated knockdown in cultured cell lines results in changes in homeotic gene expression coincident with alterations in promoter methylation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]  
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).