

## Product datasheet for **SC324686**

### PHF17 (JADE1) (NM\_024900) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF17 (JADE1) (NM_024900) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF17
Synonyms:	PHF17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_024900.3  
 CCACGCGTCCGACGGCACCCGCCAGTGGGGTGCCTCAACTTCCGCGGGCGTTAAATAG  
 CAGCCTCTCTCCCCTCCCACCGTAATAGGCTGCCTGCTGTTTCCCGGGGAGATCATGAA  
 ACGAGGTCGCCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCAACTAC  
 TTGGTCCCAGAATTCCCAGTCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCG  
 AAAGCCTTCAGAGGTGTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTA  
 CCAGCTGAATCCGGATGAGTACTATGTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAA  
 AGGGGTCCAGGTGCCTGTGAGCCCGGGGACCATCCCTCAGCCTGTGGCCAGGGTTGTGTC  
 TGAAGAGAAAATCCCTCATGTTTCATCAGGCCAAGAAGTACATCGTGTGCATCAGGCTCTGA  
 GCCTCCCAGTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTGTGTCGATGA  
 CCTCAATGACATGGATGCTGCATGGCTGGAAGTACCAATGAAGAATTTAAGGAGATGGG  
 AATGCCTGAAGTAGATGAATACACCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATG  
 CTACGACAATATGAATCATGCCATAGAGACTGAGGAAGGCTGGGGATCGAATATGATGA  
 AGATGTTGCTGTGATGTCTGCCAGTCTCCTGATGGTGAGGACGGCAATGAGATGGTGT  
 CTGTGACAAAATGCAACATCTGTGTGCCACAGGCCTGTTATGGAATCCTCAAGGTACCAGA  
 GGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGGTTCAGCCAAAATGTCTGCTGTGTC  
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 GGTGTCACACATTCCCAGCAGCCGGTGGGCGCTAGTGTGCAGCCTCTGCAATGAGAAGTT  
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 TTTTGACCGGGGCTGGAGATGAAGACCATCTTAGCAGAGAATGATGAAGTCAAGTTCAA  
 GTCCTATTGCCAAAAGCACAGCTCACATAGGAAACCCGAGGAGAGTCTTGGAAGGGGGC  
 TGCACAGGAGAATGGGGCCCTGAGTGTCCCCCGGAATCCGCTGGAGCCCTTTGCCAG  
 CCTTGAGCAGAACCAGGAGGAGGCCACCCGGGTGAGTGTCCGTAAGCAGAAGCTGCAGCA  
 GTTGGAGGATGAGTTCTACACCTTCGTCAACCTGCTGGATGTTGCCAGGGCTCTGCGGCT  
 GCCTGAGGAAGTAGTGGATTTCTGTACCAGTACTGGAAGTTGAAGAGGAAGGTCAACTT  
 CAACAAGCCCCTGATCACCCAAAGAAAGATGAAGAGGACAATCTAGCCAAGCGGGAGCA



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GGATGTCTTATTTAGGAGGCTGCAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGT
AATGATTGACACTGACACCTTATAGTGACTTAGAGAAGAAGATGCAAAGAGGCGAACGCT
CGCCCAGAGCAAGAAATGATAGCCAGTCATATACTCTCAGACCCTTGACACACCACAGC
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AAAATTTCTTGTTCAAGTCCGGGGAAACACACCTAGGTGCTGGTGATGGGCTTATGAAGGA
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CCAGCTTATTTGTGATGCCCTTCCCAGACCAGTTAGGATTCTGGGAAGGCCGCGGAT
TCCGGCCCTGGAAGAGGCAGGATCCTGGAGCAGTTTTGTGAGGCTTTTGTGCTCCCATAC
GCCCCCTGGTGGTGAAGTGTAAAGAAGACTTTGCCTCTCACAACTACATGTATGTGTGGCA
TTTTTGTAGAGATGAGAAAAGGATTGAGAAGGATAAACTGGAATCCTGGTAAGAAGCCT
TTATGCCAGCCCACACTGCTGTAATTGGGGTGCATGAGCTATGGAGTCAGATAGTTGT
TGGGAGGGGGAGGACAAGAAGTCTATTGTTTGGACTGTGTTTGTCTCACAAATCACCACAA
AATAAAAAGTGTAGAAAATGAAAAAAAAAAAAAAAAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_024900
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_024900.3](#), [NP\\_079176.2](#)

**RefSeq Size:** 4190 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 79960

**UniProt ID:** [Q6IE81](#)

**Cytogenetics:** 4q28.2

**Domains:** PHD

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Transcriptional coactivator, it may also promote acetylation of nucleosomal histone H4 by KAT5. Promotes apoptosis. May act as a renal tumor suppressor. Negatively regulates canonical Wnt signaling; at least in part, cooperates with NPHP4 in this function. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks two exons and its 3'-terminal exon extends past a splice site that is used in variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1. Variants 2 and 6 encode the same isoform.