

## Product datasheet for **SC111825**

### 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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024900, the custom clone sequence may differ by one or more nucleotides

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ATGAAACGAGGTCGCCTCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCAACTACTTGGT
CCCAGAATCCCAGATCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAGGT
GTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTACTAT
GTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGGACCATCC
CTCAGCCTGTGGCCAGGGTTGTGTCTGAAGAGAAATCCCTCATGTTTCATCAGGCCAAGAAGTACATCGT
GTCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTGTGTCCG
TATGACCTCAATGACATGGATGCTGCATGGCTGGAAGTACCAATGAAGAATTTAAGGAGATGGGAATGC
CTGAACTAGATGAATACCCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGACAATATGAA
TCATGCCATAGAGACTGAGGAAGGCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGATGCTGCCAG
TCTCCTGATGGTGAGGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTGCCAGGCGCT
GTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGGTTTCAGCCAAA
ATGTCTGCTGTGTCCGAAGAAGGGTGGAGCTATGAAGCCCACCCGTAGCGGAACCAAGTGGGTCCACGTT
AGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGCAGCCAGAGAAGATGGAGCCCATCACCAAGGTGT
CACACATCCCAGCAGCCGGTGGGCGCTAGTGTGACGCTCTGCAATGAGAAGTTTGGGGCCTCTATACA
GTGCTCTGTGAAGAAGTCCCGCACAGCCTTCCATGTGACCTGTGCTTTTGACCGGGCCTGGAGATGAAG
ACCATTTAGCAGAGAATGATGAAGTCAAGTCAAGTCCATTGCCCCAAAGCACAGCTCACATAGGAAAC
CCGAGGAGAGTCTTGGCAAGGGGCTGCACAGGAGAATGGGGCCCTGAGTGTTCCCCCGGAATCCGCT
GGAGCCCTTTGCCAGCCTTGAGCAGAACCAGGAGGAGGCCACCGGGTGTGAGTGTCCGTAAGCAGAAGCTG
CAGCAGTTGGAGGATGAGTTCTACACCTTCGTCAACCTGCTGGATGTTGCCAGGGCTCTGCCGCTGCCTG
AGGAAGTAGTGGATTTCTGTACCAGTACTGGAAGTTGAAGAGGAAGGTCAACTTCAACAAGCCCTGAT
CACCCCAAAGAAGATGAAGAGGACAATCTAGCCAAGCGGAGCAGGATGTCTTATTTAGGAGGCTGCAG
CTGTTACGCACCTGCGCAGGACCTGGAGAGGGTAATGATTGACTGACACCTTATAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_024900 unedited CGGCAGATTTGTCTACGACTCATATAGGCGGCCGCGNAATTCGCACGAGGCAGAACCGGG AGGAGGCCACCGGGTGAGTGTCCGTAAGCAGAAGCTGCAGCAGTTGGAGGATGAGTTCT ACACCTTCGTCAACCTGCTGGATGTTGCCAGGGCTCTGCGGCTGCCTGAGGAAGTAGTGG ATTTCTGTACCACTACTGGAAGTTGAAGAGGAAGGTCAACTTCAACAAGCCCCTGATCA CCCCCAAAAGAAAGATGAAGAGGACAATCTAGCCAAGCGGGAGCAGGATGTCTTATTTAGGA GGCTGCAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGTTCGGAACCTCATTACA TGGTGACCCGCAGGGAAAAGATTAACCGTCTGTGTGCAAAGTCCAGGAACAGATATTCA ATCTTTACTAAGCTNNTGGAGCTAGACAGAGTTTCAGGTGGNGCCTTCTTCTGCTCC CTCCTCTCACTGGCAAACATGCTTTTTGTTACCAGTCTTCTGTTGGCCTGATGCTCCCCA GAAGAGGACCTGAATTGGCATTGTCATCTTTAGAAAACCAAAGGGCCCTCCCTTTGTTCT ATTCCTTAAAAAGCCCCTAAGCAAGACCTTTTGCAAAAACCTCTGAAGGAAAGGCAAA CCCTTTTTAAACCACCCCAACCTTGTGGAAAAGGGGGGGGAGGGGGTCCCCACAAAAC TTTTTTGGGTTTAAAAGAACATTTTTTGAACCCTTTTTTTATAACCCACAAAAAAA GGGGGTGTGTGTCCCCCCTCGGGAAAAAAGAAACACCTTTTTTTTGGGGGCCCT CTAGGGGGTGTATGGGGGGCTTTTTTTATAGAAGGACCCCCCTTCTCTCCCCACAAAT TGCTCCCGGAGATGTGGCCACACAAAACCCCCCTCTCTGTGGGGGGCCG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_024900
<b>Insert Size:</b>	2350 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_024900.2</a></u> , <u><a href="#">NP_079176.2</a></u>
<b>RefSeq Size:</b>	4204 bp
<b>RefSeq ORF:</b>	1530 bp
<b>Locus ID:</b>	79960
<b>UniProt ID:</b>	<u><a href="#">Q6IE81</a></u>
<b>Cytogenetics:</b>	4q28.2
<b>Domains:</b>	PHD
<b>Protein Families:</b>	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.