

## Product datasheet for **SC337538**

### PHF17 (JADE1) (NM\_001287437) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF17 (JADE1) (NM_001287437) Human Untagged Clone
Tag:	Tag Free
Symbol:	JADE1
Synonyms:	PHF17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001287437, the custom clone sequence may differ by one or more nucleotides

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ATGAAACGAGGTCGCCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCACTACTTGGT
CCCAGAATCCCAGATCCCAGCATAGGAGAAGCTCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAGGT
GTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTACTAT
GTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGACCATCC
CTCAGCCTGTGGCCAGGCCAAGAAGTACATCGTGTATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGT
GGACATCCGGACGCTGGCTGACAGCGTGTGTGCTATGACCTCAATGACATGGATGCTGCATGGCTGGAA
CTGACCAATGAAGAATTTAAGGAGATGGGAATGCCTGAACTAGATGAATACACCATGGAGAGGGTCTAG
AGGAATTTGAGCAGCGATGCTACGACAATGAATCATGCCATAGAGACTGAGGAAGGCCTGGGGATCGA
ATATGATGAAGATGTTGTCTGTGATGTCTGCCAGTCTCCTGATGGTGAGGACGGCAATGAGATGGTGTTC
TGTGACAAATGCAACATCTGTGTGCACCAGGCCTGTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGC
TGTGCCGACATGTGCCCTGGGGTTTCAGCCAAAATGTCTGCTGTGTCCGAAGAAGGGTGGAGCTATGAA
GCCACCCGTAGCGGAACCAAGTGGGTCCACGTTAGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGC
AGCCCAGAGAAGATGGAGCCATCACCAAGGTGTCACACATTTCCAGCAGCCGGTGGGCGTAGTGTGCA
GCCTCTGCAATGAGAAGTTTGGGGCCTCTATACAGTGCTCTGTGAAGAACTGCCGCACAGCCTTCCATGT
GACCTGTGCTTTTGACCGGGGCTGGAGATGAAGACCATCTTAGCAGAGAATGATGAAGTCAAGTTCAGG
TCCTATTGCCAAAGCACAGCTCACATAGGAAACCCGAGGAGAGTCTTGGCAAGGGGGTGCACAGGAGA
ATGGGGCCCTGAGTGTCCCCCGGAATCCGCTGGAGCCCTTGGCAGCCTTGAGCAGAACCGGGAGGA
GGCCACCGGGTGAAGTCCGTAAGCAGAAGCTGCAGCAGTTGGAGGATGAGTTCTACACCTTCGTC AAC
CTGCTGGATGTTGCCAGGGCTCTGCGGCTGCCTGAGGAAGTGTGATTCTCTGTACCAGTACTGGAAGT
TGAAGAGGAAGGTCAACTTCAACAAGCCCTGATCACCCAAAGAAGATGAAGAGGACAATCTAGCCAA
GGGGAGCAGGATGTCTATTTAGGAGGCTGCAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGTT
CGGAACCTCACTTACATGGTGACCCGACGGGAAAAGATTAACCGTCTGTGTGCAAAGTCCAGGAACAGA
TATTCAATCTTTACTAAGCTTTTGGAGCAAGAAAGAGTTTCAGGTGTGCCTTCTTCTGCTCCTCCTC
CTCACTGGAAAACATGCTTTTGTAAACAGTCTTCTGTTGGCCCTGATGCTCCCAAGATAGAGGACTTG
AAGTGGCATTCTGCATTCTCAGAAAACAAATGGGTACTTCTTGGTTCATTGCTGAAAAGCCCCATA
AGCGAGATCCTTGCAGAATAGCCCTGGAAGTGAAGGCAAAACCTGCTGAAGCAGCCAGACCTGTGTGG
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ATATCAGCACAACAGAAAATGGTGTGGTATGCCAGACCATGGGAAAAGAAGAGACAATCGTTTTTCATT
GTGATCTCATTAAAGGAGACTTAAAGGACAAATCTTTAAACAGAGTCAACAAGCCTCTCAGTCCACAGA
TGTGTCCAGAGGCATCTGGACAACACAAGAGCTGCCACCTCCCCTGGAGTGGGGCAGTCAAGCCTGGC
ACAAGGAAGGAGATAGTGCCCAAGTGAATGGCTCCCTAATCAAAGTAACTATAATCAGACTGCAGTCA
AAGTGCCTACAACACCTGCCAGCCAGTGA AAAACTGGGGAGGATTCCGGATTCCAAGAAGGGGGAACG
GCAGCAGCAGGGAGAGGCCACGATGGGGCCTGCCACCAGCACTCAGACTACCCATATTTGGGCTTAGGC
CGAGTTCCAGCCAAGGAAAGGGCAAAAAGCAAATTA AAAATCCGACAATGAGAATGACGGGTATGTCCCG
ATGTGAAAATGAGTGACTCAGAGAGTGAGGCATCAGAAAAGAAATGTATACACACCAGCAGCACTATCAG
CAGAAGGACAGACATTATCAGGAGAAGCATCTTGGCTTGA
    
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**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001287437

**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).

<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_001287437.1</a></u> , <u><a href="#">NP_001274366.1</a></u>
<b>RefSeq Size:</b>	5736 bp
<b>RefSeq ORF:</b>	2493 bp
<b>Locus ID:</b>	79960
<b>UniProt ID:</b>	<u><a href="#">Q6IE81</a></u>
<b>Cytogenetics:</b>	4q28.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>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.</p> <p>[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the central coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>