

## Product datasheet for **RC239666**

### PHF17 (JADE1) (NM\_001287439) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF17 (JADE1) (NM_001287439) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	JADE1
Synonyms:	PHF17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC239666 representing NM\_001287439  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAACGAGGTCGCCTCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCACTACTTGGT  
 CCCAGAATCCCGATCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAGGT  
 GTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTACTAT  
 GTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGACCATCC  
 CTCAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAAATCCCTCATGTTTCATCAGGCCAAGAAGTACATCGT  
 GTCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTGTGTGCG  
 TATGACCTCAATGACATGGATGTCATGGCTGGAAGTACCAATGAAGAATTTAAGGAGATGGGAATGC  
 CTGAACTAGATGAATACCCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGACAATATGAA  
 TCATGCCATAGAGACTGAGGAAGGCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGATGTCTGCCAG  
 TCTCCTGATGGTGAGGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTGCCACAGGCC  
 GTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGGGTTTCAGCCAAA  
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 GTGCTCTGTGAAGAACTGCCGCACAGCCTTCCATGTGACCTGTGCTTTTGACCGGGCCTGGAGATGAAG  
 ACCACTTAGCAGAGAATGATGAAGTCAAGTTCAGTCTATTGCCAAAGCACAGCTCACATAGGAAAC  
 CCGAGGAGAGTCTTGGCAAGGGGGTGCACAGGAGAATGGGGCCCTGAGTGTTCCTCCCGAATCCGCT  
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 CAGCAGTTGGAGGATGAGTTCTACACCTTCGTCAACCTGCTGGATGTTGCCAGGGCTCTGCGGCTGCCTG  
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 AAGAGTTTCAGGTGTGCCTTCTCCTGCTCCTCCTCACTGGAAAACATGCTTTTGTAAACAGTCTT  
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 AGGCAAAACCCTGCTGAAGCAGCCAGACCTGTGTGGTAGAAGGGAGGGGATGGTGGTCCCAGAGAGCTTT  
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 CTGGGGAGGATCCGGATTCCAAGAAGGGGAAACGGCAGCAGCAGGGAGAGGCCACGATGGGGCCTGC  
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 GCTTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239666 representing NM\_001287439  
Red=Cloning site Green=Tags(s)

MKRGRLPSSSESDSDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRTDLITAMKLHDSYQLNPDEYY  
VLADPWRQEWKGVQVPVSPGTIPQPVARVVSEEKSLMFIKPKKYIVSSGSEPELGYVDIRTLADSVCR  
YDLNDMDAAWLELTNEEFKEMGMPELDEYTMERVLEEFQRCYDNMNHAIETEEGLGIEYDEDVCDVCQ  
SPDGEDGNEMVFCDKNICVHQACYGILKVPESWLCRTCALGVQPKCLLCPKKGAMKPTRSGTKWVHV  
SCALWIPEVSIQSPEKMEPIKVSHPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTCADFDRGLEMK  
TILAENDEVKFKSYCPKHSSHRKPEESLGKGAQENGAPECSRNPLEPFASLEQNREEAHRVSVRKQKL  
QQLEDEFYTFVNLDDVARALRLPEEVDFLYQYWKLKRKVNFKPLITPKKDEEDNLAKREQDVLFRRLQ  
LFTHLRQDLERVRNLTYMVTREKIKRSVCKVQEQIFNLYTKLLEQERVSGVPSSSSSSLENMLLFNSP  
SVGPDAPKIEDLKWHSAFFRKQMGTSLVHSLKPKHRDPLQNSPGSEGKTLKQPDLCGRREGMVVPEF  
LGLEKTFAEARLISAQQKNGVMPDHGKRRDNRFHCDLIKGDLKDKSFKQSHKPLRSTDVSRHLDNTRA  
ATSPGVGQSAPGTRKEIVPKCNGSLIKVNYNQTAVKVPTTPASPVKNWGGFRIPKKGERQQQGEAHDGAC  
HQHSDYPYLGGRVPAKERAKSKLSDNENDGYVPDVEMSDSESEASEKCIHTSSTISRRTDIIRRSIL  
AS

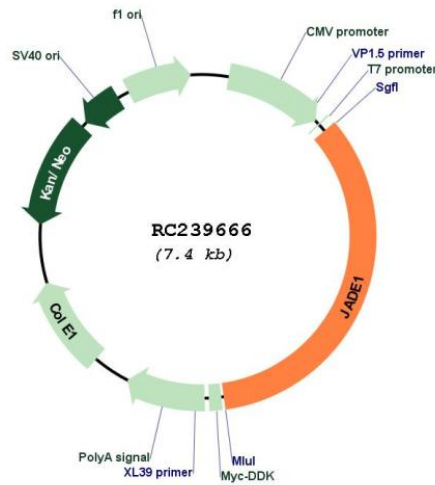
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



<b>ACCN:</b>	NM_001287439
<b>ORF Size:</b>	2526 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001287439.2</a>
<b>RefSeq Size:</b>	5890 bp
<b>RefSeq ORF:</b>	2529 bp
<b>Locus ID:</b>	79960
<b>UniProt ID:</b>	<a href="#">Q6IE81</a>
<b>Cytogenetics:</b>	4q28.2
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>MW:</b>	96 kDa
<b>Gene Summary:</b>	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]