

Product datasheet for **RC239669**

PHF17 (JADE1) (NM_001287443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF17 (JADE1) (NM_001287443) 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



[View online »](#)

ORF Nucleotide
Sequence:

>RC239669 representing NM_001287443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACGAGGTGCGCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCACTACTTGGT
 CCCAGAATCCCAGATCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAGGT
 GTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTACTAT
 GTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGACCATCC
 CTCAGCCTGTGGCCAGGGTTGTGTCTGAAGAGAAAATCCCTCATGTTTCATCAGGCCAAGAAGTACATCGT
 GTCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTGTGTGCG
 TATGACCTCAATGACATGGATGTCATGGCTGGAAGTACCAATGAAGAATTTAAGGAGATGGGAATGC
 CTGAACTAGATGAATACCCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGACAATATGAA
 TCATGCCATAGAGACTGAGGAAGGCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGATGTCTGCCAG
 TCTCCTGATGGTGAAGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTGCCACAGGCCCT
 GTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGGGTTTCAGCCAAA
 ATGTCTGCTGTGTCCGAAGAAGGGTGGAGCTATGAAGCCACCCGTAGCGGAACCAAGTGGGTCCACGTT
 AGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGCAGCCAGAGAAGATGGAGCCCATCACCAAGGTGT
 CACACATCCCAGCAGCCGGTGGGCGCTAGTGTGACGCTCTGCAATGAGAAGTTTGGGGCCTCTATACA
 GTGCTCTGTGAAGAACTGCCGCACAGCCTTCCATGTGACCTGTGCTTTTGACCGGGCCTGGAGATGAAG
 ACCACTTAGCAGAGAATGATGAAGTCAAGTTCAGTCTATTGCCAAAGCACAGCTCACATAGGAAAC
 CCGAGGAGAGTCTTGGCAAGGGGGTGCACAGGAGAATGGGGCCCTGAGTGTTCCTCCCGAATCCGCT
 GGAGCCCTTGGCAGCCTTGGAGCAGAACCAGGAGGAGGCCACCCGGTGAAGTGTCCGTAAGCAGAAGCTG
 CAGCAGTTGGAGGATGAGTTCTACACCTTCGTCAACCTGCTGGATGTTGCCAGGGCTCTGCGGCTGCCTG
 AGGAAGTAGTGGATTTCTGTACCACTACTGGAAGTTGAAGAGGAAGGTCAACTTCAACAAGCCCTGAT
 CACCCCAAGAAAGATGAAGAGGACAATCTAGCCAAGCGGGAGCAGGATGTCTTATTTAGGAGGCTGCAG
 CTGTTACGCACCTGCGGACAGGCTGGAGAGGGTTCGGAACCTCACTTACATGGTGACCCGAGGGAAA
 AGATTAACCGGTCTGTGTCAAAGTCCAGGAACAGATATCAATCTTTACTAAGCTTTTGGAGCAAGA
 AAGAGTTTCAGGTGTGCCTTCTCCTGCTCCTCCTCACTGGAAAACATGCTTTTGTAAACAGTCTCT
 TCTGTTGGCCCTGATGCTCCAAGATAGAGGACTTGAAGTGGCATTCTGCATTCTCAGAAAACAAATGG
 GTACTTCTTGGTTCATTGCTGAAAAAGCCCATAAAGCAGATCCTTTGCAGAATAGCCCTGGAAGTGA
 AGGCAAAACCCTGCTGAAGCAGCCAGACCTGTGTGGTAGAAGGGAGGGGATGGTGGTCCCAGAGAGCTTT
 TTGGGTTTAGAAAAGACCTTTCAGAAAGCAGTCTCATATCAGCACAACAGAAAAATGGTGTGGTATGC
 CAGACCATGGGAAAAGAAGAGACAATCGTTTTTCATTGTGATCTCATTAAAGGAGACTTAAAGGACAAATC
 TTTTAAACAGAGTCACAAGCCTCTCAGGTCCACAGATGTGCCAGAGGCATCTGGACAACAAGAGCT
 GCCACCTCCCCTGGAGTGGGGCAGTCAGCACCTGGCACAAGGAAGGAGATAGTGCCCAAGTGAATGGCT
 CCCTAATCAAAGTAACTATAATCAGACTGCAGTCAAAGTGCCTACAACCTGCCAGCCAGTGAAGAAA
 CTGGGGAGGATCCGGATTCAAAGAAGGGGAAACGGCAGCAGCAGGGAGAGGCCACGATGGGGCCTGC
 CAGCAGCACTCAGACTACCCATATTTGGGCTTAGGCCGAGTTCAGCCAAGGAAAAGGGCAAAAAGCAAAT
 TAAAATCCGACAATGAGAATGACGGTATGTCCCGATGTGGAATGAGTGACTCAGAGAGTGAAGCATC
 AGAAAAGAAATGTATACACCAGCAGCACTATCAGCAGAAGGACAGACATTATCAGGAGAAGCATCTTG
 GCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239669 representing NM_001287443
Red=Cloning site Green=Tags(s)

MKRGRLPSSSEDSDDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRTDLITAMKLHDSYQLNPDEYY
VLADPWRQEWKGVQVPVSPGTIPQPVARVVSEEKSLMFIKPKKYIVSSGSEPPELGYVDIRTLADSVCR
YDLNDMDAAWLELTNEEFKEMGMPELDEYTMERVLEEFQRCYDNMNHAIETEEGLGIEYDEDVVCDCVQ
SPDGEDGNEMVFCDKCNICVHQACYGILKVPESWLCRTCALGVQPKCLLCPKKGAMKPTRSGTKWVHV
SCALWIPEVSIQSPEKMEPIKVSHPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTCADFDRGLEMK
TILAENDEVKFKSYCPKHSSHRKPEESLGKGAQENGAPECSRNPLEPFASLEQNREEAHRVSVRKQKL
QQLEDEFYTFVNLDDVARALRLPEEVDFLYQYWKLKRKVNFKPLITPKKDEEDNLAKREQDVLFRRLQ
LFTHLRQDLERVRNLTYMVTREKIKRSVCKVQEQIFNLYTKLLEQERVSGVPSSSSSSLENMLLFNSP
SVGPDAPKIEDLKWHSAFFRKQMGTSLVHSLKPKHRDPLQNSPGSEGKTLKQPDLCGRREGMVVPEF
LGLEKTFAEARLISAQQKNGVMPDHGKRRDNRFHCDLIKGDLKDKSFKQSHKPLRSTDVSQRHLDNTRA
ATSPGVGQSAPGTRKEIVPKCNGSLIKVNYNQTAVKVPTTPASPVKNWGGFRIPKKGERQQQGEAHDGAC
HQHSDYPYLGGRVPAKERAKSKLSDNENDGYVPDVEMSDSESEASEKCIHTSSTISRRTDIIRRSIL
AS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

ACCN:	NM_001287443
ORF Size:	2526 bp
OTI Disclaimer:	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. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001287443.1 , NP_001274372.1
RefSeq Size:	5648 bp
RefSeq ORF:	2529 bp
Locus ID:	79960
UniProt ID:	Q6IE81
Cytogenetics:	4q28.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	96 kDa
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]