

Product datasheet for **RC211722**

PHF17 (JADE1) (NM_199320) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF17 (JADE1) (NM_199320) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PHF17
Synonyms:	PHF17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC211722 representing NM_199320
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACGAGGTCGCCTCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCACTACTTGGT
 CCCAGAATCCCAGATCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAGG
 GTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTACTAT
 GTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGGACCATCC
 CTCAGCCTGTGGCCAGGGTTGTGTCTGAAGAGAAAATCCCTCATGTTTCATCAGGCCAAGAAGTACATCGT
 GTCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTGTGTGCG
 TATGACCTCAATGACATGGATGTCATGGCTGGAAGTACCAATGAAGAATTTAAGGAGATGGGAATGC
 CTGAACTAGATGAATACCCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGACAATATGAA
 TCATGCCATAGAGACTGAGGAAGGCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGATGCTGCCAG
 TCTCCTGATGGTGAAGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTGCCAGGCGCT
 GTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGGGTTTCAGCCAAA
 ATGTCTGCTGTGTCCGAAGAAGGGTGGAGCTATGAAGCCACCCGTAGCGGAACCAAGTGGGTCCACGTT
 AGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGCAGCCAGAGAAGATGGAGCCCATCACCAAGGTGT
 CACACATCCCAGCAGCCGGTGGGCGCTAGTGTGACGCTCTGCAATGAGAAGTTTGGGGCCTCTATACA
 GTGCTCTGTGAAGAACTGCCGCACAGCCTTCCATGTGACCTGTGCTTTTGACCGGGCCTGGAGATGAAG
 ACCACTTAGCAGAGAATGATGAAGTCAAGTTCAGTCTATTGCCAAAGCACAGCTCACATAGGAAAC
 CCGAGGAGAGTCTTGGCAAGGGGGTGCACAGGAGAATGGGGCCCTGAGTGTTCCTCCCGAATCCGCT
 GGAGCCCTTGGCAGCCTTGGAGCAGAACCAGGAGGAGGCCACCCGGTGAAGTGTCCGTAAGCAGAAGCTG
 CAGCAGTTGGAGGATGAGTTCTACACCTTCGTCAACCTGCTGGATGTTGCCAGGGCTCTGCGGCTGCCTG
 AGGAAGTAGTGGATTTCTGTACCACTACTGGAAGTTGAAGAGGAAGGTCAACTTCAACAAGCCCTGAT
 CACCCCAAGAAAGATGAAGAGGACAATCTAGCCAAGCGGAGCAGGATGTCTTATTTAGGAGGCTGCAG
 CTGTTACGCACCTGCGGACAGGCTGGAGAGGGTTCGGAACCTCACTTACATGGTGACCCGAGGGAAA
 AGATTAACCGGTCTGTGTCAAAGTCCAGGAACAGATATCAATCTTTACTAAGCTTTTGGAGCAAGA
 AAGAGTTTCAGGTGTGCCTTCTCTGCTCCTCCTCACTGGAAAACATGCTTTTGTAAACAGTCTT
 TCTGTTGGCCCTGATGCTCCAAGATAGAGGACTTGAAGTGGCATTCTGCATTCTCAGAAAACAAATGG
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 CTGGGGAGGATCCGGATTCCAAAGAAGGGGAAACGGCAGCAGCAGGGAGAGGCCACGATGGGGCCTGC
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 TAAAATCCGACAATGAGAATGACGGTATGTCCCGATGTGGAATGAGTGACTCAGAGAGTGAGGCATC
 AGAAAAGAAATGTATACACCAGCAGCACTATCAGCAGAAGGACAGACATTATCAGGAGAAGCATCTTG
 GCTTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC211722 representing NM_199320
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MKRGRLPSSSESDSDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRTDLITAMKLHDSYQLNPDEYY
 VLADPWRQEWKGVQVPVSPGTIPQVARVVSSEKSLMFI RPKKYIVSSGSEPELGYVDIRTLADSVCR
 YDLNDMDAAWLELTNEEFKEMGPELDEYTMERVLEEFQRCYDNMNHAIETEEGLGIEYDEDVDCVQC
 SPDGEDGNEMVFCDKCNICVHQACYGILKVPESWLCRTCALGVQPKCLLCPKKGAMKPTRSGTKWVHV
 SCALWIPEVSIQSPEKMEPI TKVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTC AFRGLEMK
 TILAENDEVKFKSYCPKHSSHRKPEESLGKGAQENGAPECS PRNPLEPFASLEQNREEAHRVSVRKQKL
 QQLEDEFYTFVNL LDVARALRLPEEVDFLYQYWKLKRKVNFNKPLITPKKDEEDNLAKREQDVLFRRLQ
 LFTHLRQDLERVRNLTYMVTREKIKRSVCKVQE QIFNL YTKLLEQERVSGVPSSCSSSLENMLLFNSP
 SVGPDAPKIEDLKWHS AFRKQMG TSLVHSLKPKHRDPLQNSPGSEKTL LKQPDL CGRREGMVPE SF
 LGLEKTF AEARLISAQQKNGV VMPDHGKRDRNRFHCDL IKGDLKDKSFKQSHKPLRSTDVSQRHLNTRA
 ATSPGVGQSAPGTRKEI VPKCNGLIKVNYNQTAVKVPTTPASPVKNWGGFRIPKKGERQQQGEAHDGAC
 HQHSDYPYLGGRVPAKERAKSKL KSDNENDGYVPD VEMSDSESEASEKKCIHTSSTISRRTDIIRRSIL
 AS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

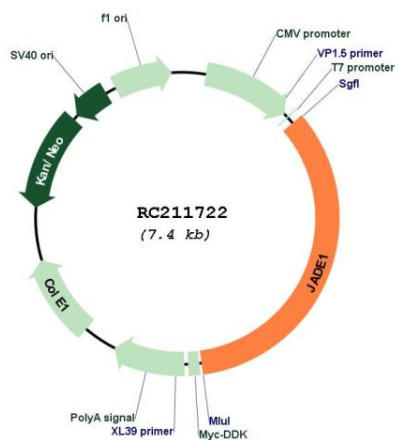
SgfI-MluI

Cloning Scheme:



ACCN:	NM_199320
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_199320.4
RefSeq Size:	5771 bp
RefSeq ORF:	2529 bp
Locus ID:	79960
UniProt ID:	Q6IE81
Cytogenetics:	4q28.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	95.5 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]

Product images:



Circular map for RC211722