

Product datasheet for **RC207135**

PHF17 (JADE1) (NM_024900) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF17 (JADE1) (NM_024900) 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:

>RC207135 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAACGAGGTGCGCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCACTACTTGGT
 CCCAGAATTTCCCGATCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAGGT
 GTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTACTAT
 GTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGACCATCC
 CTCAGCCTGTGGCCAGGGTTGTGTCTGAAGAGAAAATCCCTCATGTTTCATCAGGCCAAGAAGTACATCGT
 GTCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTGTGTGCG
 TATGACCTCAATGACATGGATGTCATGGCTGGAAGTACCAATGAAGAATTTAAGGAGATGGGAATGC
 CTGAACTAGATGAATACCCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGACAATATGAA
 TCATGCCATAGAGACTGAGGAAGGCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGATGTCTGCCAG
 TCTCCTGATGGTGAAGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTGCCACAGGCCT
 GTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGGGTTTCAGCCAAA
 ATGTCTGCTGTGTCCGAAGAAGGGTGGAGCTATGAAGCCACCCGTAGCGGAACCAAGTGGGTCCACGTT
 AGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGCAGCCAGAGAAGATGGAGCCCATCACCAAGGTGT
 CACACATTTCCAGCAGCCGGTGGGCGCTAGTGTGACGCTCTGCAATGAGAAGTTTGGGGCCTCTATACA
 GTGCTCTGTGAAGAACTGCCGCACAGCCTTCCATGTGACCTGTGCTTTTGACCGGGCCTGGAGATGAAG
 ACCATCTTAGCAGAGAATGATGAAGTCAAGTCAAGTCTATTGCCAAAGCACAGCTCACATAGGAAAC
 CCGAGGAGAGTCTTGGCAAGGGGCTGCACAGGAGAATGGGGCCCTGAGTGTTCCTCCCGGAATCCGCT
 GGAGCCCTTTGCCAGCCTTGAGCAGAACCAGGAGGAGGCCACCGGGTGAAGTGTCCGTAAGCAGAAGCTG
 CAGCAGTTGGAGGATGAGTTCTACACCTTCGTC AACCTGCTGGATGTTGCCAGGGCTCTGCGGCTGCTG
 AGGAAGTAGTGGATTTCTGTACCACTACTGGAAGTTGAAGAGGAAGGTCAACTTCAACAAGCCCTGAT
 CACCCCAAGAAAGATGAAGAGGACAATCTAGCCAAGCGGAGCAGGATGTCTTATTTAGAGGCTGCAG
 CTGTTACGCACCTGCGGACAGGACTGGAGAGGGAATGATTGACACTGACACCTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC207135 protein sequence
 Red=Cloning site Green=Tags(s)

MKRGRLPSSSESDDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRDITAMKLDHDSYQLNPDEYY
 VLADPWRQEWKGVQVPVSPGTIPQVARVSEKSLMFIKPKYIVSSGSEPELGYVDIRTLADSVCR
 YDLNDMDAAWLELTNEEFKEMGPELDEYTMERVLEEFQRCYDNMNHAIETEEGLGIEYDEDVVDVCQ
 SPDGEDGNEMVFCDKNCICVHQACYGILKVPEGSWLCRTCALGVQPKCLLCPKKGAMKPTRSGTKVHV
 SCALWIPEVSIKMEPIKVSHPSSRWALVCSLCNEKFGASIQCSVKNCRFAFHVTCADFRLGEMK
 TILAENDEVKFKSYCPKHSSHRKPEESLKGAAQENGAPECSRNPLEPFASLEQNREEAHRVSVRKQKL
 QQLEDEFYTFVNLDDVARALRLPEEVDFLYQYWKLRKRVNFKPLITPKKDEEDNLAKREQDVLFRRLQ
 LFTHLRQDLERVMIDTDTL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6334_h02.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_024900

ORF Size: 1527 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:

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_024900.5](#)

RefSeq Size: 4204 bp

RefSeq ORF: 1530 bp

Locus ID: 79960

UniProt ID: [Q6IE81](#)

Cytogenetics: 4q28.2

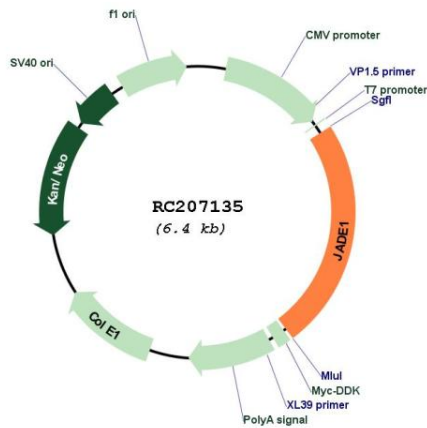
Domains: PHD

Protein Families: Druggable Genome, Transcription Factors

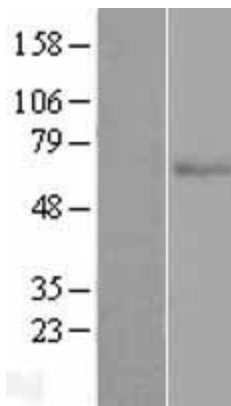
MW: 58.4 kDa

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 RC207135



Western blot validation of overexpression lysate (Cat# [LY411002]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC207135 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).