

Product datasheet for **RG207135**

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:	TurboGFP
Symbol:	PHF17
Synonyms:	PHF17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG207135 representing NM_024900
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAACGAGGTCGCCTCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCCTGTCACTACTTGGT
 CCCAGAATCCCAGATCCCAGCATAGGAGAAGCTCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAGGT
 GTTTAGGACAGACCTGATCACTGCCATGAAGTTCATGACTCCTACCAGCTGAATCCGGATGAGTACTAT
 GTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGGACCATCC
 CTCAGCCTGTGGCCAGGGTTGTGTCTGAAGAGAAAATCCCTCATGTTTCATCAGGCCAAGAAGTACATCGT
 GTCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTGTGTGCG
 TATGACCTCAATGACATGGATGTCATGGCTGGAAGTACCAATGAAGAATTTAAGGAGATGGGAATGC
 CTGAACTAGATGAATACCCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGACAATATGAA
 TCATGCCATAGAGACTGAGGAAGGCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGATGTCTGCCAG
 TCTCCTGATGGTGAAGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTGCCACAGGCCT
 GTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGGGTTTCAGCCAAA
 ATGTCTGCTGTGTCCGAAGAAGGGTGGAGCTATGAAGCCACCCGTAGCGGAACCAAGTGGGTCCACGTT
 AGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGCAGCCAGAGAAGATGGAGCCCATCACCAAGGTGT
 CACACATCCCAGCAGCCGGTGGGCGCTAGTGTGACGCTCTGCAATGAGAAGTTTGGGGCCTCTATACA
 GTGCTCTGTGAAGAACTGCCGCACAGCCTTCCATGTGACCTGTGCTTTTGACCGGGCCTGGAGATGAAG
 ACCATCTTAGCAGAGAATGATGAAGTCAAGTCAAGTCTATTGCCAAAGCACAGCTCACATAGGAAAC
 CCGAGGAGAGTCTTGGCAAGGGGCTGCACAGGAGAATGGGGCCCTGAGTGTTCCTCCCGGAATCCGCT
 GGAGCCCTTTGCCAGCCTTGAGCAGAACCAGGAGGAGGCCACCCGGGTGAGTGTCCGTAAGCAGAAGCTG
 CAGCAGTTGGAGGATGAGTTCTACACCTTCGTC AACCTGCTGGATGTTGCCAGGGCTCTGCGGCTGCCTG
 AGGAAGTAGTGGATTTCTGTACCACTACTGGAAGTTGAAGAGGAAGGTCAACTTCAACAAGCCCTGAT
 CACCCCAAGAAAGATGAAGAGGACAATCTAGCCAAGCGGAGCAGGATGTCTTATTTAGAGGCTGCAG
 CTGTTACGCACCTGCGGACAGGACTGGAGAGGGAATGATTGACACTGACACCTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG207135 representing NM_024900
 Red=Cloning site Green=Tags(s)

MKRGRLPSSSESDDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRDLITAMKLDHSYQLNPDEYY
 VLADPWRQEWKGVQVPVSPGTIPQVARVVSEKSLMFIIRPKKYIVSSGSEPELGYVDIRTLADSVCR
 YDLNDMDAAWLELTNEEFKEMGPELDEYTMERVLEEFQRCYDNMNHAIETEEGLGIEYDEDVVDVVCQ
 SPDGEDGNEMVFCDKNICVHQACYGILKVPESWLCRTCALGVQPKLLCPKGGAMKPTRSGTKWVHV
 SCALWIPEVSIKSPKMEPIKTVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRTAHFVTCADFDRGLEMK
 TILAENDEVKFKSYCPKHSSHRKPEESLKGAAQENGAPECSRNPLEPFASLEQNREEAHRVSVRKQKL
 QQLEDEFYTFVNLDDVARALRLEPEVDFLYQYWKLKRKVNFKPLITPKKDEEDNLAKREQDVLFRRLQ
 LFTHLRQDLERVMIDTDTL

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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: 4190 bp

RefSeq ORF: 1530 bp

Locus ID: 79960

UniProt ID: [Q6IE81](#)

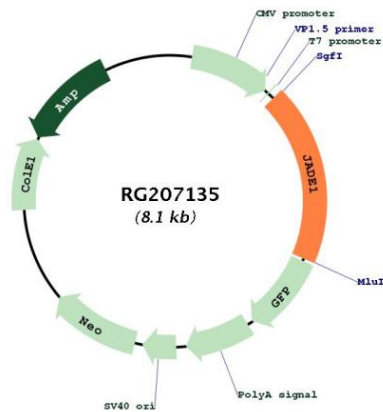
Cytogenetics: 4q28.2

Domains: PHD

Protein Families: Druggable Genome, Transcription Factors

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 RG207135