

Product datasheet for **RG239666**

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:	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:

>RG239666 representing NM_001287439.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAAACGAGGTCGCCTTCCCAGCAGCAGTGGATTCTGACGACAATGGCAGCCTGTCACTACTTGG
TCCCAGAATCCCGATCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAG
GTGTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTAC
TATGTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGACC
ATCCCTCAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAATCCCTCATGTTTCATCAGGCCCAAGAAGTAC
ATCGTGCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTG
TGTGCTATGACCTCAATGACATGGATGCTGCATGGCTGGAACGACCAATGAAGAATTTAAGGAGATG
GGAATGCCTGAAGTAGATGAATACACCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGAC
AATATGAATCATGCCATAGAGACTGAGGAAGCCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGAT
GTCTGCCAGTCTCCTGATGGTGGAGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTG
CACCAGGCCTGTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTGCCCTGGGG
GTTCCAGCCAAAATGTCTGCTGTGTCGAAGAAGGGTGGAGCTATGAAGCCACCCGTAGCCGAACCAAG
TGGGTCCACGTTAGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGCAGCCAGAGAAGATGGAGCCC
ATCACCAAGGTGTACACATTCACAGCAGCCGGTGGGCGCTAGTGTGACGCTCTGCAATGAGAAGTTT
GGGGCCTCTATACAGTGTCTGTGAAGAACTGCCGCACAGCCTCCATGTGACCTGTGCTTTTGACCGG
GGCCTGGAGATGAAGACCATCTTAGCAGAGAATGATGAAGTCAAGTTCAAGTCTATTGCCCAAAGCAC
AGCTCACATAGGAAACCCGAGGAGAGTCTTGGCAAGGGGGCTGCACAGGAGAATGGGGCCCTGAGTGT
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CTCATTAAAGGAGACTTAAAGGACAAATCTTTTAAACAGAGTCAACAAGCCTCTCAGGTCCACAGATGTG
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GATGTGGAATGAGTGA CTGAGAGAGTGGGCATCAGAAAAGAAATGTATACACACCAGCAGCACTATC
AGCAGAAGGACAGACATTATCAGGAGAAGCATCTTGGCTTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239666
 Blue=ORF Red=Cloning site Green=Tag(s)

MKRGRLPSSSEDSDDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRTDLITAMKLHDSYQLNPDEY
 YVLADPWRQEWKGVQVPVSPGTIPQPVARVVSEKSLMFIKPKKYIVSSGSEPELGYVDIRTLADSV
 CRYDLNDMDAAWLELTNEEFKEMGMPELDEYTMERVLEEFQRCYDNMNHAIETEEGLGIEYDEDVVD
 VCQSPDGEDGNEMVFCDKCNICVHQACYGILKVPEGSWLCRTCALGVQPKCLLCPKGGAMKPTRSGTK
 WVHVSCALWIPEVSIKSPKMEPIKTVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRATFHVTCADFDR
 GLEMKTILAEDEVKFKSYCPKHSSHRKPEESLGKGAQENGAPECSRNPLEPFASLEQNREEAHRVS
 VRKQKLQLEDEFYTFVNLDDVARALRLEEVDFLYQYWKLRKVNFNKPLITPKKDEEDNLAKREQD
 VLFRRLLQFTHLRQDLERVRNLTYMVTREKIKRSVCKVQEQIFNLYTKLLEQERVSGVPSSSSSSLE
 NMLLFNSPSVGPDAKIEDLKWHSAFFRKQMGTSLVHSLKPKHRDPLQNSPGSEGKTLKQPDLCGRR
 EGMVVPESFLGLEKTFAEARLISAQQKNGVMPDHGKRRDNRFHCDLIKGDLDKDKSFKQSHKPLRSTDV
 SQRHLDNTRAATSPGVGQSAPGRKEIVPKCNGSLIKVNYNQTAVKVPTTPASPVKNWGGFRIPKKGGR
 QQQGEAHGACHQHSYDYPYGLGRVPAKERAKSKLSDNENDGYVPDVMSDSESEASEKCIHTSSTI
 SRRTDIIRRSILAS
 TRTRPLEMEDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIKDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSSHMHFSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001287439

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.

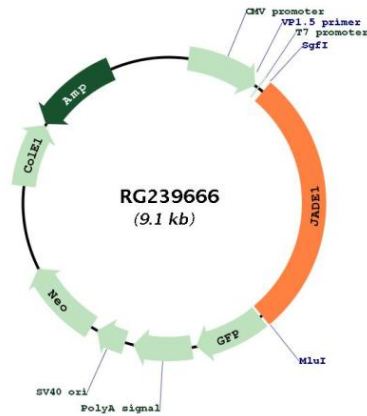
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001287439.2](#)

RefSeq Size: 5890 bp

RefSeq ORF:	2529 bp
Locus ID:	79960
UniProt ID:	<u>Q6IE81</u>
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]

Product images:



Circular map for RG239666