

## Product datasheet for **RG239667**

### PHF17 (JADE1) (NM\_001287440) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PHF17 (JADE1) (NM_001287440) 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:

>RG239667 representing NM\_001287440.  
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAAACGAGGTTCGCCTTCCCAGCAGCAGTGGATTCTGACGACAATGGCAGCCTGTCACTACTTGG
TCCCAGAATCCCGATCCCAGCATAGGAGAAGCTCCTGCTCCAGACATGAAGATCGAAAGCCTTCAGAG
GTGTTTAGGACAGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAATCCGGATGAGTAC
TATGTGTTGGCAGATCCCTGGAGACAGGAATGGGAGAAAGGGTCCAGGTGCCTGTGAGCCCGGGACC
ATCCCTCAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAATCCCTCATGTTTCATCAGGCCCAAGAAGTAC
ATCGTGCATCAGGCTCTGAGCCTCCCGAGTTGGGCTATGTGGACATCCGGACGCTGGCTGACAGCGTG
TGTGCTATGACCTCAATGACATGGATGCTGCATGGCTGGAACGACCAATGAAGAATTTAAGGAGATG
GGAATGCCTGAAGTAGATGAATACACCATGGAGAGGGTCTAGAGGAATTTGAGCAGCGATGCTACGAC
AATATGAATCATGCCATAGAGACTGAGGAAGCCCTGGGGATCGAATATGATGAAGATGTTGTCTGTGAT
GTCTGCCAGTCTCCTGATGGTGGAGACGGCAATGAGATGGTGTCTGTGACAAATGCAACATCTGTGTG
CACCAGGCCTGTTATGGAATCCTCAAGGTACCAGAGGGCAGCTGGCTGTGCCGGACATGTCCCTGGGG
GTTCCAGCCAAAATGTCTGCTGTGTCGAAGAAGGGTGGAGCTATGAAGCCACCCGTAGCCGAACCAAG
TGGGTCCACGTTAGCTGTGCTCTGTGGATCCCTGAGGTGAGCATTGGCAGCCAGAGAAGATGGAGCCC
ATCACCAAGGTGTACACATTCACAGCAGCCGGTGGGCGCTAGTGTGCAGCCTCTGCAATGAGAAGTTT
GGGGCCTCTATACAGTGTCTGTGAAGAACTGCCGCACAGCCTCCATGTGACCTGTGCTTTTGACCGG
GGCCTGGAGATGAAGACCATCTTAGCAGAGAATGATGAAGTCAAGTTCAAGTCTATTGCCCAAAGCAC
AGCTCACATAGGAAACCCGAGGAGAGTCTTGGCAAGGGGGCTGCACAGGAGAATGGGGCCCTGAGTGT
TCCCCCGGAATCCGCTGGAGCCCTTTGCCAGCCTTGGCAGAAACCGGGAGGAGGCCACCGGGTGTG
GTCCGTAAGCAGAAGCTGCAGCAGTTGGAGGATGAGTTCTACACCTTCGTAACCTGCTGGATGTTGCC
AGGGCTCTGCGGCTGCCTGAGGAAGTAGTGGATTTCTGTACCAGTACTGGAAGTTGAAGAGGAAGTCA
AACTTCAACAAGCCCTGATCACCCCAAAGAAAGATGAAGAGGACAATCTAGCCAAGCGGGAGCAGGAT
GTCTTATTTAGGAGGCTGCAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGTTCGGAACCTCACT
TACATGGTGACCCGACAGGAAAAGATTAACCGTCTGTGTGCAAAGTCCAGGAACAGATATTCAATCTT
TACACTAAGCTTTTGGAGCAAGAAAGAGTTTCAGGTGTGCCTTCTCCTGCTCCTCCTCACTGGAA
AACATGCTTTTGTAAACAGTCTTCTGTTGGCCCTGATGCTCCCAAGATAGAGGACTTGAAGTGGCAT
TCTGCATTTCTCAGAAAACAAATGGGTACTTCTTGGTTCATTGCTGAAAAAGCCCATTAAGCGAGAT
CCTTTGAGAATAGCCCTGGAAGTGAAGGCAAAACCTGCTGAAGCAGCCAGACCTGTGTGGTAGAAGG
GAGGGGATGGTGGTCCCAGAGAGCTTTTGGGTTAGAAAAGACCTTTGAGAAGCACGTCTCATATCA
GCACAACAGAAAATGGTGTGGTGTGATGCCAGACCATGGGAAAAGAAGAGACAATCGTTTTTATTGTGAT
CTCATTAAAGGAGACTTAAAGGACAAATCTTTTAAACAGAGTCAAGCCCTCAGGTCCACAGATGTG
TCCCAGAGGATCTGGACAACACAAGAGCTGCCACCTCCCCTGGAGTGGGGCAGTCAGCACCTGGCACA
AGGAAGGAGATAGTGCCAAGTGAATGGCTCCCTAATCAAAGTAACTATAATCAGACTGCAGTCAAA
GTGCTACAACACCTGCCAGCCAGTGAAGAACTGGGGAGGATTCCGGATTCCAAAGAAGGGGGAACGG
CAGCAGCAGGGAGAGGCCACGATGGGGCCTGCCACGACTCAGACTACCCATATTTGGGCTTAGGC
CGAGTTCCAGCCAAGGAAAGGGCAAAAAGCAAATTAATAATCCGACAATGAGAATGACGGGTATGTCCCC
GATGTGGAATGAGTGAAGTCAAGAGAGTGGGCATCAGAAAAGAAATGTATACACACCAGCAGCACTATC
AGCAGAAGGACAGACATTATCAGGAGAAGCATCTTGGCTTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239667  
 Blue=ORF Red=Cloning site Green=Tag(s)

MKRGRLPSSSEDSDDNGSLSTTWSQNSRSQHRRSSCSRHEDRKPSEVFRTDLITAMKLHDSYQLNPDEY  
 YVLADPWRQEWKGVQVPVSPGTIPQPVARVVSEKSLMFIKPKKYIVSSGSEPELGYVDIRTLADSV  
 CRYDLNDMDAAWLELTNEEFKEMGMPELDEYTMERVLEEFQRCYDNMNHAIETEEGLGIEYDEDVVD  
 VCQSPDGEDGNEMVFCDKCNICVHQACYGILKVPEGSWLCRTCALGVQPKCLLCPKGGAMKPTRSGTK  
 WVHVSCALWIPEVSIKSPKMEPITKVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRATFHVTCADFDR  
 GLEMKTILAENDEVKFKSYCPKHSSHRKPEESLGKGAQENGAPECSRNPLEPFASLEQNREEAHRVS  
 VRKQKLQLEDEFYTFVNLDDVARALRLPEEVDFLYQYWKLKRVNFKPLITPKKDEEDNLAKREQD  
 VLFRRLLQFTHLRQDLERVRNLTYMVTREKIKRSVCKVQEQIFNLYTKLLEQERVSGVPSSSSSSLE  
 NMLLFNSPSVGPDAKIEDLKWHSAFFRKQMGTSLVHSLKPKHRDPLQNSPGSEGKTLKQPDLCGRR  
 EGMVVPESFLGLEKTFAEARLISAQQKNGVMPDHGKRRDNRFHCDLIKGDLDKDSFKQSHKPLRSTDV  
 SQRHLDNTRAATSPGVGQSAPGRKEIVPKCNGSLIKVNYNQTAVKVPTTPASPVKNWGGFRIPKKGGR  
 QQQGEAHGACHQHSYDYPYGLGRVPAKERAKSKLSDNENDGYVPDVMSDSESEASEKCIHTSSTI  
 SRRTDIIRRSILAS  
 TRTRPLEMEDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIKDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDSHMHFSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001287440

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.

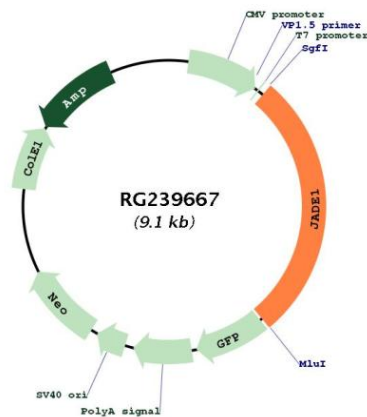
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM\\_001287440.2](#)

RefSeq Size: 5687 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 RG239667