

Product datasheet for **SC337569**

PHF15 (JADE2) (NM_001289985) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF15 (JADE2) (NM_001289985) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHF15
Synonyms:	JADE-2; PHF15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001289985, the custom clone sequence may differ by one or more nucleotides

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ATGGTGCCGACCGCGGCCATCGCAGTTGGAGGCTATTTTTGGGGGGGATGGAAGAGAAGAGGCGAAAAAT
ACTCCATCAGCAGTGACAACCTGACACCACTGACAGTCATGCGACATCTACATCCGCATCAAGATGCTC
CAAATGCCAGCAGCACCAAGTCGGGCTGGCCCCGACAGAACGAAAGAAGCCCTCCGAGGTTTTCCGG
ACAGACTTGATCACAGCCATGAAGATCCCGGACTCATACAGCTCAGCCGGATGACTACTACATCCTGG
CAGACCCATGGCGACAGGAATGGGAGAAAGGTGTGCAGGTGCCTGCCGGGCGAGAGGCCATCCCAGAGCC
CGTGGTGAGGATCCTCCACCACTGGAAGGCCCCCTGCCAGGCATCCCGAGCAGCACCATGCTTGGT
GAGGGCTCCCAGCCTGATTGGCCAGGGGCGAGCCGCTATGACTTGGACGAGATTGATGCCTACTGGCTGG
AGCTCATCAACTCGGAGCTTAAGGAGATGGAGAGGCCGGAGCTGGACGAGCTGACATTAGAGCGTGTGCT
GGAGGAGCTGGAGACCTGTGCCACCAGAATATGGCCAGGGCCATTGAGACGAGGAGGGGCTGGGCATC
GAGTACGACGAGGATGTTGTCTGCGACGTGTGCTGCTCTCCTGAGGGCGAGGATGGCAACGAGATGGTCT
TCTGTGACAAGTCAACGTCTGTGTGCATCAGGCATGCTACGGGATCCTCAAGGTGCCACGGGCGAGCTG
GCTGTGCCGACGTGTGCCCTGGGTGTCCAGCCAAAGTGCTGCTGCTGCCCAAGCGAGGAGGAGCCTTG
AAGCCCACTAGAAGTGGGACCAAGTGGGTGCATGTGAGCTGTGCCCTATGGATTCTGAGGTCAGCATCG
GCTGCCAGAGAAGATGGAGCCCATCACAAGATCTCGCATATCCAGCCAGCCGCTGGGCTCTGTCCCTG
CAGCCTCTGCAAGGAATGCACAGGCACCTGCATCCAGTGTTCATGCCTTCTGCGTCACAGCGTTCAT
GTCACATGCGCCTTTGACCACGGCCTGGAATGCGGACTATATTAGCAGACAACGATGAGGTCAAGTTCA
AGTCATTCTGCCAGGAGCAGTGAACGGGGCCACGTAATGAGCCACATCTGAGCCACGGAACCCAG
CCAGGCTGGCGAGGACCTGGAAGAGGTGACCTGCGCAAGCAGCGGCTGCAGCAGCTAGAGGAGGACTTC
TACGAGCTGGTGGAGCCGGCTGAGGTGGCTGAGCGGCTGGACCTGGCTGAGGCACTGGTGCATTCATCT
ACCAGTACTGGAAGCTGAAGAGGAAGCCAATGCCAACCAGCCGCTGCTGACCCCAAGACCGACGAGGT
GGACAACCTGGCCAGCAGGAGCAGGACGTCCTTACCGCCGCTGAAGCTCTTACCCATCTGCGGCAG
GACCTAGAGAGGGTTAGAAATCTGTGCTACATGGTGACAAGGCGCGAGAGAACGAAACACGCCATCTGCA
AACTCCAGGAGCAGATATTCCACCTGCAGATGAACTTATTGAACAGGATCTGTGTGAGAGCGGTCTGG
GAGGAGAGCAAGGGCAAGAAGAGTGACTCGAAGAGGAAGGGCTGCGAGGGCTCCAAGGGCAGCACTGAG
AAGAAAGAGAAAGTGAAGGCGGGGCTGACTCAGTCTGGGGCAGCTGGCAGGCCTGTCCACCTCATTCC
CCATCGATGGCACCTTCTTCAACAGCTGGCTGGCAGCTCGGTGCAGATCACAGCAGAGAACATGGCCAT
GAGCGAGTGGCCACTGAACAATGGGCACCGCAGGACCTGCTCCAGGGCTGCTGTGAGAGAACTGCTG
CAGGACGAGGAGACACTGCTCAGCTTCATGCGGGACCCCTCGCTGCGACCTGGTGACCCTGCTAGGAAGG
CCCGAGGCGCGACCCGCCTGCCTGCCAAGAAGAAACACCACCACCACCACCGCAGGACGGGCTGGTTC
ACGGACGACTCCAGACAAAGCCCCCAAGAAGACCTGGGGCCAGGATGCAGGCAGTGGCAAGGGGGGTCAA
GGGCCACCTACCAGGAAGCCACCACGTCGGACATCTTCTCACTTGCCGTCCAGCCCTGCAGCCGGGGACT
GTCCATCCTAGCCACCCTGAAAGCCCCCGCCACTGGCCCCTGAGACCCCGGACGAGGCAGCCTCAGT
AGCTGTGACTCAGATGTCCAAGTGCCTGGCCCTGCAGCAAGCCCTAAGCCTTTGGGCCGGCTCCGGCCA
CCCCGCGAGAGCAAGGTAACCCGGAGATTGCCGGGTGCCAGGCCTGATGCTGGGATGGGACCACCTTCAG
CTGTGGCTGAGAGGCCCAAGGTCAGCTGCATTTTGACACTGAGACTGATGGCTACTTCTGATGGGGA
GATGAGCGACTCAGATGTAGAGGCCGAGGACGGTGGGTGCAGCGGGTCCCCGGGAGGCAGGGGCGAGAG
GAGGTGGTCCGCATGGGCGTACTGGCCTCCTAA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001289985

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001289985.1, NP_001276914.1</u>
RefSeq Size:	6524 bp
RefSeq ORF:	2553 bp
Locus ID:	23338
UniProt ID:	<u>Q9NQC1</u>
Cytogenetics:	5q31.1
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 (PubMed:16387653). Acts as a E3 ubiquitin-protein ligase mediating the ubiquitination and subsequent proteasomal degradation of target protein histone demethylase KDM1A (PubMed:25018020). Also acts as a ubiquitin ligase E3 toward itself. Positive regulator of neurogenesis (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate splice site in 5' terminal exon that results in translation initiation at an alternate start codon, and it also contains an additional in-frame exon in the 3' coding region, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.