

Product datasheet for **RC239572**

PHF15 (JADE2) (NM_001289984) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF15 (JADE2) (NM_001289984) Human Tagged ORF Clone
Tag:	Myc-DDK
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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**ORF Nucleotide
Sequence:**

>RC239572 representing NM_001289984
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAAGAGAAGAGGCGAAAACTCCATCAGCAGTGACAACCTCTGACACCACTGACAGTCATGCGACAT
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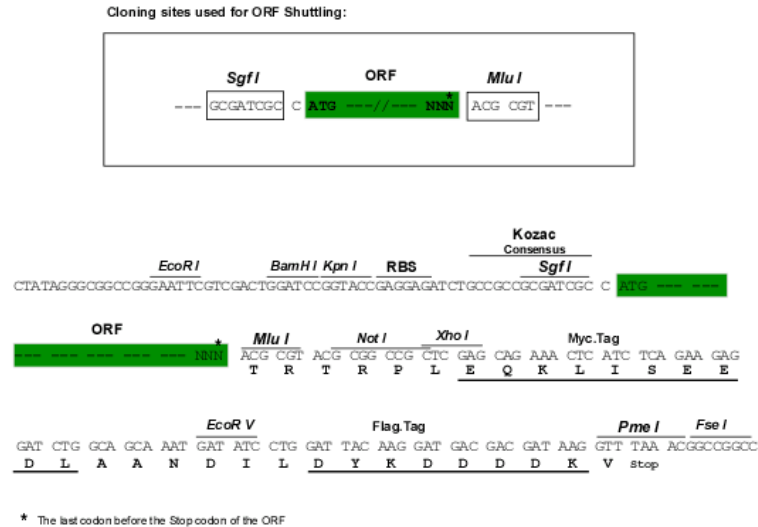
Protein Sequence: >RC239572 representing NM_001289984
 Red=Cloning site Green=Tags(s)

MEEKRRKYSISSDSDTTDSHATSTSASRCSKLPSSSTKSGWPRQNEKKPSEVFRTDLITAMKIPDSYQLS
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 EIDAYWLELINSELKEMERPEDELTLERVLEELETLCHQNMARAIETQEGLGIEYDEDDVCDVCRSPEG
 EDGNEMVFCDKCNVCVHQACYGILKVPTGWLRCALGVQPKLLCPKRGGALKPTRSGTKWVHVSCAL
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 PAPGLLSEELLQDEETLLSFMRDPSLRPGDPARKARGRTRLPAKKKPPPPPPQDGPGRSTTPDKAPKKTW
 GQDAGSGGGGQPPTRKPPRRTSSHLPSSPAAGDCPILATPESPPPLAPETPDEAASVAADSDVQVGP
 ASPKPLGRLRPPRESKVTRRLPGARPDAGMGPPSAVAERPKVSLHFDTE TDGYFSDGEMSDSDVEAEDGG
 VQRGPREAGAEVVRMGVLAS

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Restriction Sites: SgfI-MluI

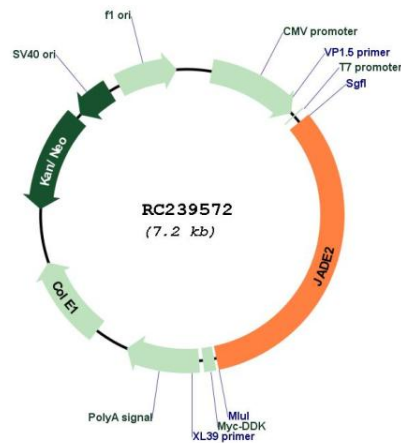
Cloning Scheme:



ACCN:	NM_001289984
ORF Size:	2373 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001289984.2</u>
RefSeq Size:	6664 bp
RefSeq ORF:	2376 bp
Locus ID:	23338
UniProt ID:	<u>Q9NQC1</u>
Cytogenetics:	5q31.1
Protein Families:	Druggable Genome, Transcription Factors
MW:	88 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 (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]

Product images:



Circular map for RC239572