

Product datasheet for **RG213779**

PHF16 (JADE3) (NM_001077445) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PHF16 (JADE3) (NM_001077445) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PHF16
Synonyms:	JADE-3; PHF16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG213779 representing NM_001077445
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAACGCCATAGGCCTGTCAGCAGCAGTGACAGTTCAGACGAAAGTCCTTCCACTTCCTTTACTTCTG
 GCTCAATGTATAGGATCAAGTCAAAAATCCAAAATGAACACAAGAAACCTGCTGAGGTATTCGGGAAGGA
 CCTCATCAGTGCCATGAAACTTCCAGATTCTACCACATTAATCCTGATAGCTATTACCTCTTTGCTGAT
 ACATGGAAGGAAGAATGGGAAAAGGGAGTCCAGGTACCAGCCAGTCCAGACACCGTTCCACAGCCTTCTC
 TCAGGATTATAGCTGAGAAGGTAAGGACGTTCTGTTTATCCGACCCCGGAAGTATATTCAGTCTCCAG
 CCCAGACACCACAGACCTGGCTACATCAACATCATGGAGTTGGCAGCATCTGTTTGCCGCTATGACCTA
 GATGACATGGACATCTTCTGGCTTCAGGAACTCAATGAAGACCTTGCAGAAATGGGTTGTGGCCAGTTG
 ATGAGAATCTTATGGAAGACAGTAGAAGTCTGGAACGCCATTGCCATGAAAAATGAACCATGCTAT
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 AGTGAAGAAGGAATGATATGGTGTCTGTGATAAGTGTAACTGTGTGCATCAGGCCTGCTATGGCA
 TCCTCAAGGTCCCAGAAGGCAGCTGGCTGTGTCGCTCCTGTGTCCTGGGCATTTATCCGCAATGTGTGT
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 CACCCAGTCGGTGGGCCTTAGTCTGCAACTTGTCAAGTTGAAGACGGGGGCTTGTATTACAGTGTCTAT
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 AGTGAGGGAGACGAAGTGAAGTTCAAGTCATATTGCCTCAAGCATAGCCAAAACAGGCAGAACTGGAG
 AAGCTGAGTACCCCCACCACAGGGCTAAAGAGCAGAGCCAGGCCAAAAGTGAGAAAACAGCCTGCCGGC
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 AGCCATTATTTCTCCAAAGGAGGATGAAGAAAATGGGCTGGTGCAGCCAAAAGAGGAAAGCATTACAC
 TCGAATGAGAATGTTTATGCATCTACGCCAGGACCTGGAGAGGGTCCGAAATCTGTGCTATATGATAAGC
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 TTAACCAAGAAATGATGCAGGGCTTCTTTGACAAATGCACTTGAAAAGTCACTGTTTTACCCACCACC
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 GATCAGCAGCCCCACTCTCTGACAGCAGCTCATCTGTTACAGTATAAGGAACATGCAGGTGCCTCAGG
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 ATGGGAAAAGTCAAGCCTAACTCCAAGTTTGCCAAATCCAATGGCCTGGAGGGCAGCTGGTCTGGGAATGT
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 GGTAGACAGGTTCTCAGGCGGTCTGCAGGGAGAGCTCCATATCAGGAAAATGATGGCTATTGCCAGAT
 TTGGAGCTGAGTGATTCAGAGGCAGAAAGTGTGGGAATAAAGAAAAGTCAAGGTAAGGAAAGATAGCT
 CAGACAGGAAAATCCTCCCATGACTCTAGACGGGATTGCCATGGTAAAAGCAAGACACATCCCCTTTC
 CCACAGTTCAATGCAAAGG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG213779 representing NM_001077445
 Red=Cloning site Green=Tags(s)

MKRHRPVSSDSSDESPSTSFTSGSMYRIKSKIPNEHKKPAEVFRKDLISAMKLPDSSHINPDSYFLFAD
 TWKEWEKGVQVPASPDTPQPSLRIIAEKVKDVL FIRPRKYIHCSSPDTEPGYINIMELAASVCRYDL
 DDMDIFWLQELNEDLAEMGCGPVDENLMEKTVEVLERHCHENMNHAIETEEGLGIEYDEDVICDVCRSPD
 SEEGNDMVFCDKCNVCVHQACYGILKVPEGSWLCRSCVLGIYPQCVLCPKKGALKTTKTGTKWAHVSCA
 LWIPEVSIACPERMEPITKISHIPPSRWALVCNLCKLKTGACIQCSIKSCITAFHVTCAFEHGLEMKTIIL
 DEGDEVKFSYCLKHSQNRQKLGEAEYPHHRAKEQSQAQSEKTSLRAQKLRELEEEFYSLVRVEDVAAEL
 GMPTLAVDFIYNYWKLKRKSNFNKPLFPPKEDEENGLVQPKESIHTRMRMFHLRQDLERVRNLCYMIS
 RREKLLSHNKIQEQIFGLQVQLLNQEI DAGLPLTNALENSLFYPPPRITLKLKMPKSTPEDHRNSSTET
 DQQPHSPDSSSSVHSIRNMQVPQESLEMRTKSYPRYPLESKNNRLLASLSHRSEAKESSPAWRTPSSEC
 YHGQSLGKPLVLQAALHGQSSIGNGKSQPNSKFAKSNGLEGSWSGNVTQKDSSEMFCQEPVFSPLVVS
 QGSFRKSTVEHFSRSFKETTNRWVKNTEDLQCYVKPTKNMSPKEQFWGRQVLRRSAGRAPYQENDGYCPD
 LELSDSEAESDGNKEKVRVRKDSRDREPPHDSRRDCHGKSKTHPLSHSSMQR

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001077445

ORF Size: 2469 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_001077445.2](#), [NP_001070913.1](#)

RefSeq Size: 4685 bp

RefSeq ORF: 2472 bp

Locus ID: 9767

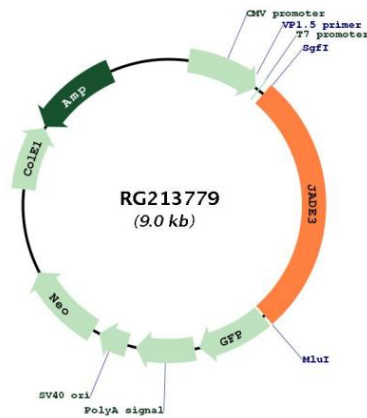
UniProt ID: [Q92613](#)

Cytogenetics: Xp11.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: This gene encodes a member of a family of large proteins containing PHD (plant homeo domain)-type zinc fingers. The encoded protein may be associated in a nuclear complex that functions in histone H4 acetylation. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG213779