

## Product datasheet for **MC221970**

### Jade1 (NM\_001130184) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jade1 (NM_001130184) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jade1
Synonyms:	AU041499; D530048A03Rik; mKIAA1807; Phf17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC221970 representing NM\_001130184  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAACGAGGTGCCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCTTGTCAACGACATGGT  
 CCCAGCATTCTCGATCCCAGCATGGGAGGAGTAGTACCTGCTCTAGACCTGAAGATCGAAAAGCCTTCTGA  
 GGTGTTTAGGACCGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAACCCGGATGACTAC  
 TACGTGCTGGCTGATCCCTGGAGACAGGAGTGGGAGAAAGGGTCCAGGTGCCTGTGAGCCAGGGACCA  
 TCCCACAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAGTCTCTCATGTTTCATCAGGCCAAAGAAGTACAT  
 CGCGTCGTCGGCTCTGAGCCCCAGCGTTAGGCTACGTCGATATCCGGACTCTGGCAGACAGTGTGTGT  
 CGGTATGACCTCAATGATATGGATGCTGCGTGGCTGGAAGTAACCAATGAAGAATTAAGGAGATGGGA  
 TGCCGGAGCTGGACGAGTACCCATGAAAAGGCTTGGAGGAATCGAACAGCGATGCTATGACAATAT  
 GAATCATGCCATAGAGACAGAAGAGGGCTTGGGGATTGAATACGACGAAGACGTTGTCTGGATGTCTGC  
 CAGTCACCTGATGGCGAGGACGGCAACGAGATGGTGTCTGTGACAAGTGAACATCTGTGTGCACCAGG  
 CTTGCTATGGGATCCTCAAGGTGCCAGAGGGCAGTTGGCTATGTGCTACATGTGCCCTGGGAGTTACGCC  
 AAAATGTTTGTGTGTGCCAAGAAAGGCGGAGCTATGAAGCCGACCCGCAGCGGAACCAAGTGGTCCAC  
 GTCAGCTGTGCCCTGTGGATCCCTGAGGTAAGCATTGGCAGCCCTGAGAAGATGGAGCCCATCACAAAAG  
 TGTCTCACATCCCAGCAGCCGGTGGCGCTTGTGTGCAGCCTCTGCAATGAGAAATTCGGGGCCTCCAT  
 ACAGTGCTCTGTGAAGAACTGCCGGACAGCCTCCACGTGACTTGTGCTTTTGACCGTGGCTGGAGATG  
 AAGACCATTGGCAGAGAATGATGAAGTCAAATCAAGTCTACTGCCCAAAGCACAGCTCACACAGAA  
 AACCCGAGGAGGGCCTGGGTGAAGGAGCAGCCAGGAGAATGGGGCCCTGAGAGTTCTCCCCAGGCC  
 TCTGGAGCCCTATGGTAGTCTGGAGCCGAATCGAGAGGAGGCCACCCGGTGAGTGTTCGCAAGCAGAAG  
 CTACAGCAGCTGGAGGATGAGTTCTACACCTTTGTCAACCTGCTGGATGTGGCCAGGGCGCTGCGGCTGC  
 CTGAGGAAGTGGTGGATTTCTGTACCAGTACTGGAAGTTGAAGAGGAAGATCAACTTCAACAAGCCCT  
 CATCACCCCAAAGAAAGACGAAGAGGACAATCTAGCCAAGCGGGAGCAGGATGTCTTGTTAGGAGGCTG  
 CAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGTTCGGAACCTCACTTACATGGTGACCCGCAGGG  
 AAAAGATTAACGGTCTGTGTGCAAAGTCCAGGAACAAATTTTCACTCAGTACACTAAGCTCTTGGAGCA  
 AGAAAAAGTTTCAGGTGTGCCTTCTTCTGCTCCTCCGCACTGGAGAACATGCTTTTTTTCAACAGTCT  
 TCTGTGGGCCCAATGCTCCCAAGATAGAGGACTTGAATGGCATTCTGCATTCTCAGGAAACAAATGG  
 GCACTTCTTGGTTCATCCACTGAAAAAGTCCCATAAACGAGATGCAAGTGCAGAAATAGTTCTGGGACCGA  
 GGGCAAGACCTCGCATAAGCAGCCAGGTCTTTGTGGTAGAAGGGAGGGGCTGGAGGTCTCAGAAAGCTTG  
 CTGAGCTTAGAAAAGACTTTTGCAGAAGCACGTCTCCTATCATCAGCACAAACAGAAAAATGGTGTGGTGA  
 CCCCAGACCATGGGAAAAGAAGAGACAATCGTTTTTCATTGTGATCTCGTTAAAGGAGACTTAAAGGACAA  
 ATCTTTTAAGCAGAGTCAACAAGCCTCTCAGGTCCACAGACACATCCCAGAGGCATCTGGACAACACAAGA  
 GCTGCCACCTCCCTGGAGTAGGGCAGTCAGCACCTGGCACCAGGAAGGAGATTGTGCCAAGTGAATG  
 GCTCCCTAGTCAAAGTGCCTATAACACCTGCCAGCCCAGTGAAAAGCTGGGGAGGATTCCGGATTCCAAA  
 GAAGGGGAGCGGCAGCAGCAAGGAGAAGCCCATGATGGGGCTGCCACCAGCACTCAGACTGCTCCCAT  
 CTGGGTGTAAGCCGAGCTCCAGCCAAGGAGAGAGCGAAGAGCAGGTTAAGAGCTGACAGTGAGAATGATG  
 GGTACGCCCTGATGGGAAATGAGTGAAGTCTCAGAGAGCGAGGCATCAGAGAAGAAATGTATCCATGCCAG  
 CAGCACCATCAGCAGGAGGACAGATATCATCAGGCGAAGCATCTTGGCCTCT**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001130184  
**Insert Size:** 2505 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_001130184.1](#), [NP\\_001123656.1](#)

**RefSeq Size:** 5486 bp

**RefSeq ORF:** 2505 bp

**Locus ID:** 269424

**UniProt ID:** [Q6ZPI0](#)

**Cytogenetics:** 3 B

**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 (By similarity). [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All four variants encode the same protein.