

## Product datasheet for **MC221972**

### Jade1 (NM\_172303) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jade1 (NM_172303) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jade1
Synonyms:	AU041499; D530048A03Rik; mKIAA1807; Phf17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221972 representing NM\_172303  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAACGAGGTGCCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCTTGTCAACGACATGGT  
 CCCAGCATTCTCGATCCCAGCATGGGAGGAGTAGTACCTGCTCTAGACCTGAAGATCGAAAAGCCTTCTGA  
 GGTGTTTAGGACCGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAACCCGGATGACTAC  
 TACGTGCTGGCTGATCCCTGGAGACAGGAGTGGGAGAAAGGGTCCAGGTGCCTGTGAGCCAGGGACCA  
 TCCCACAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAGTCTCTCATGTTTCATCAGGCCAAAGAAGTACAT  
 CGCGTCGTCGGCTCTGAGCCCCAGCGTTAGGCTACGTCGATATCCGGACTCTGGCAGACAGTGTGTGT  
 CGGTATGACCTCAATGATATGGATGCTGCGTGGCTGGAAGTAACCAATGAAGAATTAAGGAGATGGGGA  
 TGCCGGAGCTGGACGAGTACCCATGAAAAGGGTCTTGGAGGAATCGAACAGCGATGCTATGACAATAT  
 GAATCATGCCATAGAGACAGAAGAGGGCTTGGGGATTGAATACGACGAAGACGTTGTCTGCGATGTCTGC  
 CAGTCACTGATGGCGAGGACGGCAACGAGATGGTGTCTGTGACAAAGTGAACATCTGTGTGCACCAGG  
 CTTGCTATGGGATCCTCAAGGTGCCAGAGGGCAGTTGGCTATGTGCTACATGTGCCCTGGGAGTTACGCC  
 AAAATGTTTGTGTGTGCCAAGAAAGGCGGAGCTATGAAGCCGACCCGCAGCGGAACCAAGTGGTCCAC  
 GTCAGCTGTGCCCTGTGGATCCCTGAGGTAAGCATTGGCAGCCCTGAGAAGATGGAGCCCATCACAAAAG  
 TGTCTCACATCCCAGCAGCCGGTGGCGCTTGTGTGCAGCCTCTGCAATGAGAAATTCGGGGCCTCCAT  
 ACAGTGTCTGTGAAGAACTGCCGGACAGCCTTCCACGTGACTTGTGCTTTTGACCGTGGCTGGAGATG  
 AAGACCATTGGCAGAGAATGATGAAGTCAAATCAAGTCTACTGCCCAAAGCACAGCTCACACAGAA  
 AACCCGAGGAGGGCCTGGGTGAAGGAGCAGCCAGGAGAATGGGGCCCTGAGAGTTCTCCCAGAGCCC  
 TCTGGAGCCCTATGGTAGTCTGGAGCCGAATCGAGAGGAGGCCACCCGGGTGAGTGTTCGCAAGCAGAAG  
 CTACAGCAGCTGGAGGATGAGTTCTACACCTTTGTCAACCTGCTGGATGTGGCCAGGGCGCTGCGGCTGC  
 CTGAGGAAGTGGTGGATTTCTGTACCAGTACTGGAAGTTGAAGAGGAAGATCAACTTCAACAAGCCCT  
 CATCACCCCAAAGAAAGACGAAGAGGACAATCTAGCCAAGCGGGAGCAGGATGTCTTGTAGGAGGCTG  
 CAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGTTCGGAACCTCACTTACATGGTGACCCGCAGGG  
 AAAAGATTAACCGGTCTGTGTGCAAAGTCCAGGAACAAATTTTCACTCAGTACACTAAGCTCTTGGAGCA  
 AGAAAAAGTTTCAGTGTGCCTTCTTCTGCTCCTCCGCACTGGAGAACATGCTTTTTTCAACAGTCTCT  
 TCTGTGGGCCCAATGCTCCCAAGATAGAGGACTTGAAATGGCATTCTGCATTCTCAGGAAACAAATGG  
 GCACTTCTTGGTTCATCCACTGAAAAAGTCCCATAAACGAGATGCAAGTGCAGAATAGTTCTGGGACCGA  
 GGGCAAGACCTCGCATAAGCAGCCAGGTCTTTGTGGTAGAAGGGAGGGGCTGGAGGTCTCAGAAAGCTTG  
 CTGAGCTTAGAAAAGACTTTTGCAGAAGCACGTCTCCTATCATCAGCACAAACAGAAAAATGGTGTGGTGA  
 CCCCAGACCATGGGAAAAGAAGAGACAATCGTTTTTCATTGTGATCTCGTTAAAGGAGACTTAAAGGACAA  
 ATCTTTTAAGCAGAGTCAACAAGCCTCTCAGGTCCACAGACACATCCCAGAGGCATCTGGACAACACAAGA  
 GCTGCCACCTCCCTGGAGTAGGGCAGTCAGCACCTGGCACCAGGAAGGAGATTGTGCCAAAGTGAATG  
 GCTCCCTAGTCAAAGTGCCTATAACACCTGCCAGCCCAGTGAAAAGCTGGGGAGGATTCCGGATTCCAAA  
 GAAGGGGAGCGGCAGCAGCAAGGAGAAGCCCATGATGGGGCTGCCACCAGCACTCAGACTGCTCCCAT  
 CTGGGTGTAAGCCGAGCTCCAGCCAAGGAGAGAGCGAAGAGCAGGTTAAGAGCTGACAGTGAGAATGATG  
 GGTACGCCCTGATGGGAAATGAGTGAAGTCTCAGAGAGCGAGGCATCAGAGAAGAAATGTATCCATGCCAG  
 CAGCACCATCAGCAGGAGGACAGATATCATCAGGCGAAGCATCTTGGCCTCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172303  
**Insert Size:** 2505 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_172303.4</a> , <a href="#">NP_758507.3</a>
<b>RefSeq Size:</b>	5584 bp
<b>RefSeq ORF:</b>	2505 bp
<b>Locus ID:</b>	269424
<b>UniProt ID:</b>	<a href="#">Q6ZPI0</a>
<b>Cytogenetics:</b>	3 B
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript. All four variants encode the same protein.</p>