

Product datasheet for **MC221953**

Jade2 (NM_199299) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jade2 (NM_199299) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Jade2
Synonyms:	1200017K05Rik; AI480685; mKIAA0239; Phf15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221953 representing NM_199299
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAAGAGAAGAGGCGAAAATATTCCATCAGCAGCGACAACCTCTGATACCACTGACGGTACAGTACAT
 CCACATCAGCATCAAGATGTTCCAACTGCCAGCAGCACAAGTCGGGCTGGCCCCGGCAGAACGAGAA
 GAAGCCCTCAGAGGTTTTCCGGACAGACTTGATCACAGCCATGAAGATCCAGATTCATACCAGCTCAGC
 CCGGATGACTACTACATCCTGGCGGACCCGTGGCGACAAGAATGGGAGAAAGGGTGCAGGTACCTGCTG
 GAGCGGAGGCCATTCCAGAGCCTGTGGTGGGCTCCTCCACCACTGAAAGGCCCCCCACGCAGATGTC
 CCCAGATAGCCCCACACTTGGTGGGGTGGCCATCCTGACTGGCCAGGAGGCAGCCGCTACGACCTGGAT
 GAGATCGATGCGTACTGGTTGAACTTCTCAACTCGGAGCTCAAGGAGATGGAGAAGCCCGAGCTGGATG
 AGCTAACGTTAGAGCGTGTCTAGAGGAGCTAGAGACATTGTGCCACCAGAATATGGCACAGGCCATTGA
 GACACAGGAGGGGCTGGGCATCGAGTACGACGAGGACGTTGTCTGCGACGTGTGCCGTTCCCTGAAGGC
 GAGGATGGCAACGAGATGGTCTTCTGTGACAAATGCAATGTCTGTGTGCCAGGATGCTACGGGATCC
 TCAAGGTGCCTACGGGACGCTGGCTGTGCCGACCTGTGCCCTGGGAGTCCAGCCTAAGTGCCTGCTCTG
 CCCAAGCGAGGAGGAGCCCTGAAGCCACTAGAAGTGGGACCAAGTGGGTACACGTGAGCTGTGCCCTG
 TGGATTCTGAGGTGACGATTGGCTGTCCAGAGAAGATGGAGCCATTACCAAGATCTCGCATATCCGG
 CCAGCCGCTGGGCCCTGTCTGCAGCCTCTGCAAGGAGTGCACAGGTACCTGCATCCAGTGTCCATGCC
 TTCTGTCATCACAGCATTCCACGTTACGTGCGCCTTTGACCGAGGCCGTTGAAATGCGGACTATATTAGCT
 GACAATGACGAGGTCAAGTCAAGTCACTTTGCCAGGAGCACAGTGACGGGGCCCTCGGAGTGAGCCTA
 CTTCTGAGCCTGTGGAGCCAGCCAGGCCGTTGAGGATCTGAAAAGGTGACCTTACGCAAGCAGCGGCT
 GCAGCAGCTGGAAGAAAACCTTCTATGAGCTAGTGGAGCCAGCTGAGGTGGCTGAACGGCTAGACCTGGCT
 GAGGCACTGGTGGACTTCATCTACCAGTACTGGAAGTTGAAGCGGAGAGCTAATGCCAACCGCCGCTGT
 TGACGCCCAAGACTGACGAGGTGGACAACCTGGCCCAACAGGAACAGGATGTCCTCTATCGACGCTGAA
 GCTTTTACCCACCTGCGGCAGGACCTGGAGAGGGTAAGGAACCTGTGCTACATGGTGACAAGACGGGAG
 AGAACGAAACACACCATCTGTAACCTCAGGAGCAGATATTCCATCTACAGATGAAACTTATTGAGCAAG
 ACCTTTGCAGAGAGCCTTCTGGGAGGAGGTCAAAGGGCAAGAAGAATGATTCAAAAGGAAAGGCCGAGA
 GGGTCCCAAGGGCAGCAGCCCTGAGAAGAAAGAGAAAGTGAAGGCTGGGCCCGAGTCTGTCTGGGGCAG
 CTGGGTCTATCCACCTCGTTCGCCATCGACGGCACTTTCTTCAACAGCTGGTTGGCACAGTCGGTTCAGA
 TCACAGCAGAGGACATGGCCATGAGCGAGTGGTCTTTGAACAGTGGGCACCGGGAGGATCCCTGCTCAGG
 TCTGCTGTGAGAGGAATTGCTACAAGATGAGGAGACGCTGCTCAGCTTCATGAGGGACCCCTCGCTACGA
 CCTGGTACCCTGCCAGAAAGGCCCGAGGCCGCACTCGCCTGCCTGCCAAGAAGAAACCATCCCCGCTGC
 AGGATGGGCCAGTGCACGGACCACTCCAGACAAGCAACCAAGAAGGCCGAGGCCAGGATGGCAAGGG
 GACGCAAGGACCACCCATGAGGAAGCCACCACGGAGGACGCTTTCTCATTGCGCTCCAGCCCTGCAGCT
 GGGGACTGTCCAGTCCAGCAACACTGGAAGCCCTCCACCACTGGCCTCCGAGATACTAGACAAGACAG
 CCCCCATGGCTTCCGACTTAAATGTCAAAGTGCCTGGCCCTACAGTGAAGCCCAAAACCTTGGGCAGGCT
 CCGGCCACCCGAGAGATGAAGGTCAGTCGAAATCTCCGGGTGCTAGATCCGATGCTGGGACAGGACTA
 CCGTCTGCTGTGCCGAGAGGCCAAAGGTCAGCCTGCATTTTGACACCGAGGCTGACGGCTACTTCTCTG
 ATGAGGAGATGAGCGATTCTGAGGTAGAGGCAGAGGACAGTGGGGTACAACGAGCTTCCAGGGAGGCAGG
 GGCAGAGGAGGTGGTTCGCATGGGGTGTGCCCTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_199299
Insert Size: 2490 bp

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:	<ol style="list-style-type: none">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_199299.3 , NP_955003.2
RefSeq Size:	6100 bp
RefSeq ORF:	2490 bp
Locus ID:	76901
UniProt ID:	Q6ZQF7
Cytogenetics:	11 B1.3
Gene Summary:	<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 (By similarity). Acts as a E3 ubiquitin-protein ligase mediating the ubiquitination and subsequent proteasomal degradation of target protein histone demethylase KDM1A. Also acts as a ubiquitin ligase E3 toward itself. Positive regulator of neurogenesis (PubMed:25018020).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR and 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which has a shorter N-terminus, compared to isoform 1.</p>