

Product datasheet for **MR223993**

Jade1 (NM_172303) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jade1 (NM_172303) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide
Sequence:

>MR223993 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAAACGAGGTGCGCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCTTGTCAACGACATGGT
CCCAGCATTCTCGATCCCAGCATGGGAGGAGTAGTACCTGCTCTAGACCTGAAGATCGAAAAGCCTTCTGA
GGTGTAGGACCGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAACCCGGATGACTAC
TACGTGCTGGCTGATCCCTGGAGACAGGAGTGGGAGAAAGGGTCCAGGTGCCTGTGAGCCAGGGACCA
TCCCACAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAGTCTCTCATGTTTCATCAGGCCAAAGAGTACAT
CGCGTCGTCGGCTCTGAGCCCCAGCGTTAGGCTACGTCGATATCCGGACTCTGGCAGACAGTGTGTGT
CGGTATGACCTCAATGATATGGATGCTGCGTGGCTGGAAGTAACCAATGAAGAATTAAGGAGATGGGGA
TGCCGGAGCTGGACGAGTACACCATGAAAGGGTCTTGGAGGAATCGAACAGCGATGCTATGACAATAT
GAATCATGCCATAGAGACAGAAGAGGGCTTGGGGATTGAATACGACGAAGACGTTGTCTGCGATGTCTGC
CAGTCACCTGATGGCAGGACGGCAACGAGATGGTGTCTGTGACAAGTGAACATCTGTGTGCACCAGG
CTTGCTATGGGATCCTCAAGGTGCCAGAGGGCAGTTGGCTATGTGCTACATGTGCCCTGGGAGTTACGCC
AAAATGTTTGTGTGTGCCAAGAAAGGCGGAGCTATGAAGCCGACCCGCAGCGGAACCAAGTGGTCCAC
GTCAGCTGTGCCCTGTGGATCCCTGAGGTAAGCATTGGCAGCCCTGAGAAGATGGAGCCCATCACAAAAG
TGTCTCACATCCCAGCAGCCGGTGGCGCTTGTGTGACGCTCTGCAATGAGAAATTCGGGGCCTCCAT
ACAGTGTCTGTGAAGAACTGCCGGACAGCCTCCACGTGACTTGTGCTTTTGACCGTGGCTGGAGATG
AAGACCATATTGGCAGAGAATGATGAAGTCAAATCAAGTCTACTGCCAAAGCACAGCTCACACAGGA
AACCCGAGGAGGGCTGGGTGAAGGAGCAGCCAGGAGAATGGGGCCCTGAGAGTTCTCCCCAGGCC
TCTGGAGCCCTATGGTAGTCTGGAGCCGAATCGAGAGGAGGCCACCCGGTGAGTGTTCGCAAGCAGAAG
CTACAGCAGCTGGAGGATGAGTTCTACACCTTTGCAACCTGCTGGATGTGGCCAGGGCGCTGCGGCTGC
CTGAGGAAGTGGTGGATTTCTGTACCAGTACTGGAAGTTGAAGAGGAAGATCAACTTCAACAAGCCCT
CATCACCCCAAAGAAAGACGAAGAGGACAATCTAGCCAAGCGGGAGCAGGATGTCTTGTAGGAGGCTG
CAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGTTCGGAACCTCACTTACATGGTGACCCGCAGGG
AAAAGATTAACGGTCTGTGTGCAAAGTCCAGGAACAAATTTTCACTCAGTACACTAAGCTCTTGGAGCA
AGAAAAAGTTTTCAGGTGTGCCTTCTTCTGCTCCTCCGCACTGGAGAACATGCTTTTTTCAACAGTCT
TCTGTGGGCCCAATGCTCCCAAGATAGAGGACTTGAATGGCATTCTGCATTCTCAGGAAACAAATGG
GCACTTCCCTTGGTTCATCCACTGAAAAAGTCCCATAAACGAGATGCAAGTGCAGAAATAGTTCTGGGACCGA
GGCAAGACCTCGCATAAGCAGCCAGGTCTTGTGGTAGAAGGGAGGGGCTGGAGGTCTCAGAAAGCTTG
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ATCTTTTAAGCAGAGTCAAAAGCCTCTCAGGTCCACAGACACATCCCAGAGGCATCTGGACAACACAAGA
GCTGCCACCTCCCTGGAGTAGGGCAGTCAGCACCTGGCACCAGGAAGGAGATTGTGCCAAAGTGAATG
GCTCCCTAGTCAAAGTGCCTATAACACCTGCCAGCCCAGTGAAAAGCTGGGAGGATTCCGGATTCCAAA
GAAGGGGAGCGGCAGCAGCAAGGAGAAGCCCATGATGGGGCTGCCACCAGCACTCAGACTGCTCCCAT
CTGGGTGTAAGCCGAGCTCCAGCCAAGGAGAGAGCGAAGAGCAGGTTAAGAGCTGACAGTGAGAATGATG
GGTACGCCCTGATGGGAAATGAGTGAAGTCAAGAGAGCGAGGCATCAGAGAAGAAATGTATCCATGCCAG
CAGCACCATCAGCAGGAGGACAGATATCATCAGGCGAAGCATCTTGGCCTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223993 protein sequence
Red=Cloning site Green=Tags(s)

MKRGRLPSSSEDSDDNGSLSTTWSQHSRSQHGRSSTCSRPEDRKPSEVFRTDLITAMKLHDSYQLNPDDY
YVLADPWRQEWKGVQVPVSPGTIPQPVARVVSEEKSLMFIKPKKYIASSGSEPPALGYVDIRTLADSVL
RYDLNDMDAAWLEVTNEEFKEMGPELDEYTMERVL EEFEQRCYDNMNHAIETEEGLGIEYDEDVCDVC
QSPDGEDGNEMVFCDKCNICVHQACYGILKVPEGSWLCRTCALGVQPKLLCPKKGAMKPTRSGTKWVH
VSCALWIPEVSIQSPEKMEPITKVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTCADFRLGEM
KTI LAENDEVKFKSYCPKHSSHRKPEEGLGEGAAQENGAPESSPQSPLEPYGSLEPNREEAHRVSVRKQK
LQQLEDEFYTFVNLDDVARALRLPEEVDFLYQYWKLKRKINFNKPLITPKKDEEDNLAKREQDVLFRRL
QLFTHLRQDLERVRNLTYMVTREKIKRSVCKVQEQIFTQYTKLLEQEKVSGVPSSCSALENMLFFNSP
SVGNAPKIEDLKWHSAFFRKQMGTSLVHPLKSHKRDAVQNSSGTEGKTSHKQPGLCGRREGLEVSESL
LSLEKTFAEARLLSSAQKNGVVTPDHGKRRDNRFHCDLVKGDLDKSKFKQSHKPLRSTDTSRHLDNTR
AATSPGVGQSAPGTRKEIVPKCNGSLVKVPI TPASPVKSWGGFRIPKKGERQQQGEAHDGACHQHSDCSH
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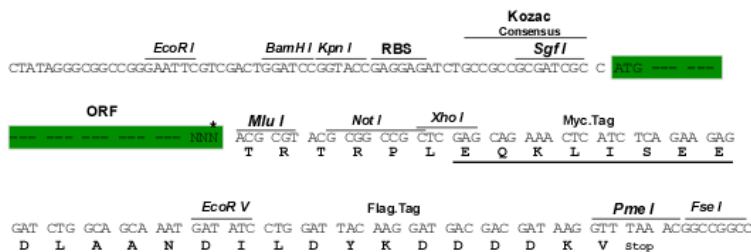
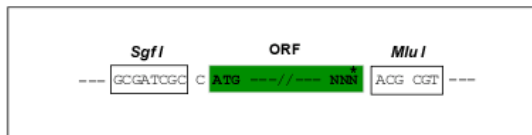
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

- ACCN:** NM_172303
- ORF Size:** 2502 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_172303.4](#), [NP_758507.3](#)

RefSeq Size: 5584 bp

RefSeq ORF: 2505 bp

Locus ID: 269424

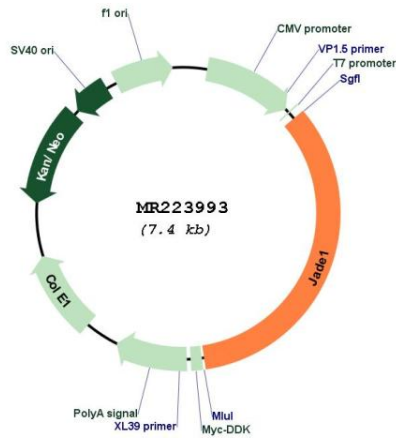
UniProt ID: [Q6ZPI0](#)

Cytogenetics: 3 B

MW: 93.9 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. 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]

Product images:



Circular map for MR223993