

Product datasheet for **MG223993**

Jade1 (NM_172303) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jade1 (NM_172303) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Jade1
Synonyms:	AU041499; D530048A03Rik; mKIAA1807; Phf17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG223993 representing NM_172303
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGAAACGAGGTGCGCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCTTGTCAACGACATGGT
CCCAGCATTCTCGATCCCAGCATGGGAGGAGTAGTACCTGCTCTAGACCTGAAGATCGAAAAGCCTTCTGA
GGTGTAGGACCGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAACCCGGATGACTAC
TACGTGCTGGCTGATCCCTGGAGACAGGAGTGGGAGAAAGGGTCCAGGTGCCTGTGAGCCAGGGACCA
TCCCACAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAGTCTCTCATGTTTCATCAGGCCAAAGAGTACAT
CGCGTCGTCGGCTCTGAGCCCCAGCGTTAGGCTACGTCGATATCCGGACTCTGGCAGACAGTGTGTGT
CGGTATGACCTCAATGATATGGATGCTGCGTGGCTGGAAGTAACCAATGAAGAATTAAGGAGATGGGA
TGCCGGAGCTGGACGAGTACCCATGAAAAGGCTTGGAGGAATCGAACAGCGATGCTATGACAATAT
GAATCATGCCATAGAGACAGAAGAGGGCTTGGGGATTGAATACGACGAAGACGTTGTCTGCGATGTCTGC
CAGTCACCTGATGGCAGGACGGCAACGAGATGGTGTCTGTGACAAGTGAACATCTGTGTGCACCAGG
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AAAATGTTTGTGTGTGCCAAGAAAGGCGGAGCTATGAAGCCGACCCGCAGCGGAACCAAGTGGTCCAC
GTCAGCTGTGCCCTGTGGATCCCTGAGGTAAGCATTGGCAGCCCTGAGAAGATGGAGCCCATCACAAAAG
TGTCTCACATCCCAGCAGCCGGTGGCGCTTGTGTGACGCTCTGCAATGAGAAATTCGGGGCCTCCAT
ACAGTGTCTGTGAAGAACTGCCGGACAGCCTTCCACGTGACTTGTGCTTTTGACCGTGGCTGGAGATG
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AACCCGAGGAGGGCTGGGTGAAGGAGCAGCCAGGAGAATGGGGCCCTGAGAGTTCTCCCCAGAGCC
CTTGGAGCCCTATGGTAGTCTGGAGCCGAATCGAGAGGAGGCCACCGGGTGAAGTTCGCAAGCAGAAG
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GGTACGCCCTGATGGGAAATGAGTGAAGTCAAGAGAGCGAGGCATCAGAGAAGAAATGTATCCATGCCAG
CAGCACCATCAGCAGGAGGACAGATATCATCAGGCGAAGCATCTTGGCCTCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >MG223993 representing NM_172303
 Red=Cloning site Green=Tags(s)

MKRGRLPSSSEDSDDNGSLSTTWSQHSRSQHGRSSTCSRPEDRKPSEVFRTDLITAMKLHDSYQLNPDDY
 YVLADPWRQEWKGVQVPVSPGTIPQPVARVVSEEKSLMFIKPKKYIASSGSEPPALGYVDIRTLADSVK
 RYDLNDMDAAWLEVTNEEFKEMGPELDEYTMERVLLEEFQRCYDNMNHAIETEEGLGIEYDEDVCDVC
 QSPDGEDGNEMVFCDKCNICVHQACYGILKVPEGSWLCRTCALGVQPKLLCPKKGAMKPTRSGTKWVH
 VSCALWIPEVSIKSPKMEPITKVSHPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTCADFDRGLEM
 KTIILAENDEVKFKSYCPKHSSHRKPEEGLGEGAAQENGAPESSPQSPLEPYGSLEPNREEAHRVSVRKQK
 LQQLEDEFYTFVNLLDVARALRLPEEVDFLYQYWKLKRRKINFNKPLITPKKDEEDNLAKREQDVLFRRL
 QLFTHLRQDLERVRNLTYMVTREKIKRSVCKVQEQIFTQYTKLLEQEKVSGVPSSCSALENMLFFNSP
 SVGNAPKIEDLKWHSAFFRQKMGTSLVHPLKSHKRDVQNSSGTEGKTSHKQPLGRREGLEVSESL
 LSLEKTFAEARLLSSAQKNGVVTPDHGKRRDNRFHCDLVKGDLDKSKFKQSHKPLRSTDTQRHLDNTR
 AATSPGVGQSAPGTRKEIVPKCNGSLVKVPIITPASPVKSWGFRIPKKGERRQQQGEAHDGACHQHSDCSH
 LGVSRAPAKERAKSRLRADSENDGYAPDGEMSDSESEASEKCCIHASSTISRRTDIIRRSILAS

TRTRPLE - GFP Tag - V

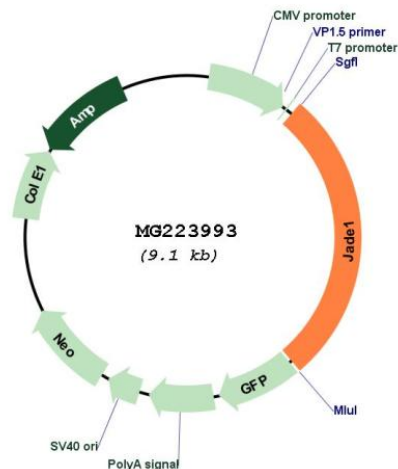
Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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

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]