OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG224408

Jade1 (NM_001130186) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Jade1 (NM_001130186) 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)

View online »

ORF Nucleotide Sequence:

>MG224408 representing NM_001130186
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACGAGGTCGCCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCTTGTCAACGACATGGT
CCCAGCATTCTCGATCCCAGCATGGGAGGAGTAGTACCTGCTCTAGACCTGAAGATCGAAAGCCTTCTGA
GGTGTTTAGGACCGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAACCCGGATGACTAC
TACGTGCTGGCTGATCCCTGGAGACAGGAGTGGGAGAAAGGGGTCCAGGTGCCTGTGAGCCCAGGGACCA
TCCCACAGCCTGTGGCCAGGGTTGTGTCTGAAGAGAAGTCTCTCATGTTCATCAGGCCCAAGAAGTACAT
CGCGTCGTCCGGCTCTGAGCCCCCAGCGTTAGGCTACGTCGATATCCGGACTCTGGCAGACAGTGTGTGT
CGGTATGACCTCAATGATATGGATGCTGCGTGGCTGGAAGTAACCAATGAAGAATTTAAGGAGATGGGGA
TGCCGGAGCTGGACGAGTACACCATGGAAAGGGTCTTGGAGGAATTCGAACAGCGATGCTATGACAATAT
GAATCATGCCATAGAGACAGAAGAGGGCTTGGGGATTGAATACGACGAAGACGTTGTCTGCGATGTCTGC
CAGTCACCTGATGGCGAGGACGGCAACGAGATGGTGTTCTGTGACAAGTGTAACATCTGTGTGCACCAGG
CTTGCTATGGGATCCTCAAGGTGCCAGAGGGCAGTTGGCTATGTCGTACATGTGCCCTGGGAGTTCAGCC
AAAATGTTTGCTGTGTCCCAAGAAAGGCGGAGCTATGAAGCCGACCCGCAGCGGAACCAAGTGGGTCCAC
GTCAGCTGTGCCCTGTGGATCCCTGAGGTAAGCATTGGCAGCCCTGAGAAGATGGAGCCCATCACAAAAG
TGTCTCACATTCCCAGCAGCCGGTGGGCGCTTGTGTGCAGCCTCTGCAATGAGAAATTCGGGGCCTCCAT
ACAGTGCTCTGTGAAGAACTGCCGGACAGCCTTCCACGTGACTTGTGCTTTTGACCGTGGCCTGGAGATG
AAGACCATATTGGCAGAGAATGATGAAGTCAAATTCAAGTCCTACTGCCCAAAGCACAGCTCACACAGGA
AACCCGAGGAGGGCCTGGGTGAAGGAGCAGCCCAGGAGAATGGGGCCCCTGAGAGTTCTCCCCAGAGCCC
TCTGGAGCCCTATGGTAGTCTGGAGCCGAATCGAGAGGAGGCCCACCGGGTGAGTGTTCGCAAGCAGAAG
CTACAGCAGCTGGAGGATGAGTTCTACACCTTTGTCAACCTGCTGGATGTGGCCAGGGCGCTGCGGCTGC
CTGAGGAAGTGGTGGATTTCCTGTACCAGTACTGGAAGTTGAAGAGGAAGATCAACTTCAACAAGCCCCT
CATCACCCCAAAGAAAGACGAAGAGGACAATCTAGCCAAGCGGGAGCAGGATGTCTTGTTTAGGAGGCTG
CAGCTGTTCACGCACCTGCGGCAGGACCTGGAGAGGGTTCGGAACCTCACTTACATGGTGACCCGCAGGG
AAAAGATTAAACGGTCTGTGTGCAAAGTCCAGGAACAAATTTTCACTCAGTACACTAAGCTCTTGGAGCA
AGAAAAAGTTTCAGGTGTGCCTTCTTCCTGCTCCTCCGCACTGGAGAACATGCTTTTTTTCAACAGTCCT
TCTGTGGGCCCCAATGCTCCCAAGATAGAGGACTTGAAATGGCATTCTGCATTCTTCAGGAAACAAATGG
GCACTTCCTTGGTTCATCCACTGAAAAAGTCCCATAAACGAGATGCAGTGCAGAATAGTTCTGGGACCGA
GGGCAAGACCTCGCATAAGCAGCCAGGTCTTTGTGGTAGAAGGGAGGGGCTGGAGGTCTCAGAAAGCTTG
CTGAGCTTAGAAAAGACTTTTGCAGAAGCACGTCTCCTATCATCAGCACAACAGAAAAATGGTGTGGTGA
CCCCAGACCATGGGAAAAGAAGAGACAATCGTTTTCATTGTGATCTCGTTAAAGGAGACTTAAAGGACAA
ATCTTTTAAGCAGAGTCACAAGCCTCTCAGGTCCACAGACACATCCCAGAGGCATCTGGACAACACAAGA
GCTGCCACCTCCCCTGGAGTAGGGCAGTCAGCACCTGGCACCAGGAAGGAGATTGTGCCCAAGTGCAATG
GCTCCCTAGTCAAAGTGCCTATAACACCTGCCAGCCCAGTGAAAAGCTGGGGAGGATTCCGGATTCCAAA
GAAGGGGGAGCGGCAGCAGCAAGGAGAAGCCCATGATGGGGCCTGCCACCAGCACTCAGACTGCTCCCAT
CTGGGTGTAAGCCGAGCTCCAGCCAAGGAGAGAGCGAAGAGCAGGTTAAGAGCTGACAGTGAGAATGATG
GGTACGCCCCTGATGGGGAAATGAGTGACTCAGAGAGCGAGGCATCAGAGAAGAAATGTATCCATGCCAG
CAGCACCATCAGCAGGAGGACAGATATCATCAGGCGAAGCATCTTGGCCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

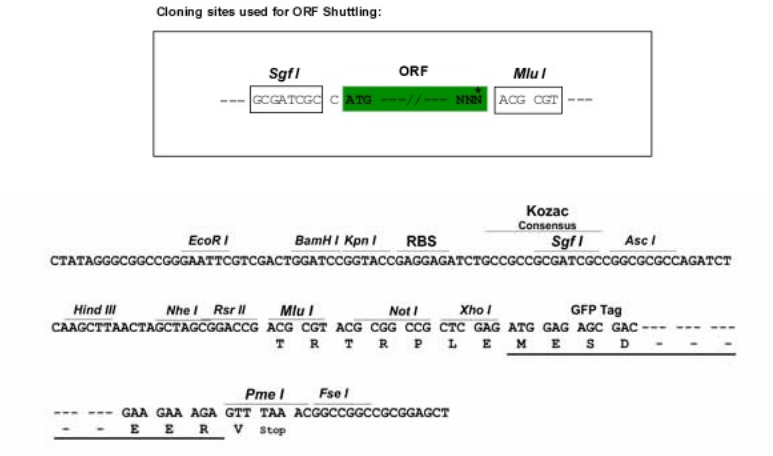
>MG224408 representing NM_001130186
Red=Cloning site Green=Tags(s)

MKRGRLPSSSEDSDDNGSLSTTWSQHSRSQHGRSSTCSRPEDRKPSEVFRTDLITAMKLHDSYQLNPDDY
YVLADPWRQEWEKGVQVPVSPGTIPQPVARVVSEEKSLMFIRPKKYIASSGSEPPALGYVDIRTLADSVC
RYDLNDMDAAWLEVTNEEFKEMGMPELDEYTMERVLEEFEQRCYDNMNHAIETEEGLGIEYDEDVVCDVC
QSPDGEDGNEMVFCDKCNICVHQACYGILKVPEGSWLCRTCALGVQPKCLLCPKKGGAMKPTRSGTKWVH
VSCALWIPEVSIGSPEKMEPITKVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTCAFDRGLEM
KTILAENDEVKFKSYCPKHSSHRKPEEGLGEGAAQENGAPESSPQSPLEPYGSLEPNREEAHRVSVRKQK
LQQLEDEFYTFVNLLDVARALRLPEEVVDFLYQYWKLKRKINFNKPLITPKKDEEDNLAKREQDVLFRRL
QLFTHLRQDLERVRNLTYMVTRREKIKRSVCKVQEQIFTQYTKLLEQEKVSGVPSSCSSALENMLFFNSP
SVGPNAPKIEDLKWHSAFFRKQMGTSLVHPLKKSHKRDAVQNSSGTEGKTSHKQPGLCGRREGLEVSESL
LSLEKTFAEARLLSSAQQKNGVVTPDHGKRRDNRFHCDLVKGDLKDKSFKQSHKPLRSTDTSQRHLDNTR
AATSPGVGQSAPGTRKEIVPKCNGSLVKVPITPASPVKSWGGFRIPKKGERQQQGEAHDGACHQHSDCSH
LGVSRAPAKERAKSRLRADSENDGYAPDGEMSDSESEASEKKCIHASSTISRRTDIIRRSILAS

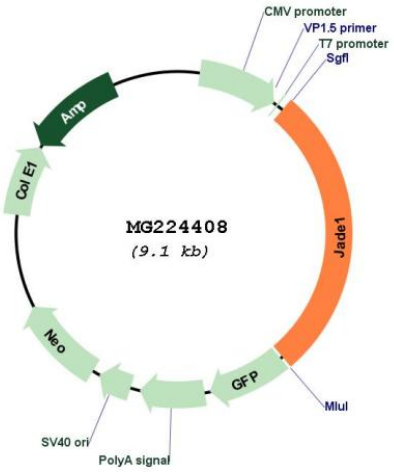
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001130186
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_001130186.1, NP_001123658.1
RefSeq Size:	5524 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]