

## Product datasheet for **MR223583**

### Jade1 (NM\_001130185) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Jade1 (NM_001130185) 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:

>MR223583 representing NM\_001130185  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAAACGAGGTGCGCTTCCCAGCAGCAGTGAGGATTCTGACGACAATGGCAGCTTGTCAACGACATGGT  
CCCAGCATTCTCGATCCCAGCATGGGAGGAGTAGTACCTGCTCTAGACCTGAAGATCGAAAAGCCTTCTGA  
GGTGTAGGACCGACCTGATCACTGCCATGAAGTTGCATGACTCCTACCAGCTGAACCCGGATGACTAC  
TACGTGCTGGCTGATCCCTGGAGACAGGAGTGGGAGAAAGGGTCCAGGTGCCTGTGAGCCAGGGACCA  
TCCCACAGCCTGTGGCCAGGTTGTGTCTGAAGAGAAGTCTCTCATGTTTCATCAGGCCAAAGAAGTACAT  
CGCGTCGTCGGCTCTGAGCCCCAGCGTTAGGCTACGTCGATATCCGGACTCTGGCAGACAGTGTGTGT  
CGGTATGACCTCAATGATATGGATGCTGCGTGGCTGGAAGTAACCAATGAAGAATTAAGGAGATGGGGA  
TGCCGGAGCTGGACGAGTACCCATGAAAAGGGTCTTGGAGGAATCGAACAGCGATGCTATGACAATAT  
GAATCATGCCATAGAGACAGAAGAGGGCTTGGGGATTGAATACGACGAAGACGTTGTCTGCGATGTCTGC  
CAGTCACCTGATGGCGAGGACGGCAACGAGATGGTGTCTGTGACAAGTGAACATCTGTGTGCACCAGG  
CTTGCTATGGGATCCTCAAGGTGCCAGAGGGCAGTTGGCTATGTGCTACATGTGCCCTGGGAGTTACGCC  
AAAATGTTTGTGTGTGCCAAGAAAGGCGGAGCTATGAAGCCGACCCGCAGCGGAACCAAGTGGTCCAC  
GTCAGCTGTGCCCTGTGGATCCCTGAGGTAAGCATTGGCAGCCCTGAGAAGATGGAGCCCATCACAAAAG  
TGTCTCACATCCCAGCAGCCGGTGGCGCTTGTGTGACGCTCTGCAATGAGAAATTCGGGGCCTCCAT  
ACAGTGTCTGTGAAGAACTGCCGGACAGCCTTCCACGTGACTTGTGCTTTTGACCGTGGCTGGAGATG  
AAGACCATATTGGCAGAGAATGATGAAGTCAAATCAAGTCTACTGCCCAAAGCACAGCTCACACAGAA  
AACCCGAGGAGGGCCTGGGTGAAGGAGCAGCCAGGAGAATGGGGCCCTGAGAGTTCTCCCAGGCC  
TCTGGAGCCCTATGGTAGTCTGGAGCCGAATCGAGAGGAGGCCACCGGGTGAAGTTCGCAAGCAGAAG  
CTACAGCAGCTGGAGGATGAGTTCTACACCTTTGTCAACCTGCTGGATGTGGCCAGGGCGCTGCGGCTGC  
CTGAGGAAGTGGTGGATTTCTGTACCAGTACTGGAAGTTGAAGAGGAAGATCAACTTCAACAAGCCCT  
CATCACCCCAAAGAAAGACGAAGAGGACAATCTAGCCAAGCGGGAGCAGGATGTCTTGTAGGAGGCTG  
CAGCTGTTACGCACCTGCGGCAGGACCTGGAGAGGGTTCGGAACCTCACTTACATGGTGACCCGCAGGG  
AAAAGATTAACGGTCTGTGTGCAAAGTCCAGGAACAAATTTTCACTCAGTACACTAAGCTCTTGGAGCA  
AGAAAAAGTTTCAGGTGTGCCTTCTTCTGCTCCTCCGCACTGGAGAACATGCTTTTTTTCAACAGTCT  
TCTGTGGGCCCAATGCTCCCAAGATAGAGGACTTGAAATGGCATTCTGCATTCTCAGGAAACAAATGG  
GCACTTCTTGGTTCATCCACTGAAAAAGTCCCATAAACGAGATGCAAGTGCAGAATAGTTCTGGGACCGA  
GGCAAGACCTCGCATAAGCAGCCAGGTCTTTGTGGTAGAAGGGAGGGGCTGGAGGTCTCAGAAAGCTTG  
CTGAGCTTAGAAAAGACTTTTGCAGAAGCACGTCTCCTATCATCAGCACAAACAGAAAAATGGTGTGGTGA  
CCCCAGACCATGGGAAAAGAAGAGACAATCGTTTTTCATTGTGATCTCGTTAAAGGAGACTTAAAGGACAA  
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GCTGCCACCTCCCTGGAGTAGGGCAGTCAGCACCTGGCACCAGGAAGGAGATTGTGCCAAGTGAATG  
GCTCCCTAGTCAAAGTGCCTATAACACCTGCCAGCCCAGTGAAAAGCTGGGAGGATTCCGGATTCCAAA  
GAAGGGGAGCGGCAGCAGCAAGGAGAAGCCCATGATGGGGCTGCCACCAGCACTCAGACTGCTCCCAT  
CTGGGTGTAAGCCGAGCTCCAGCCAAGGAGAGAGCGAAGAGCAGGTTAAGAGCTGACAGTGAGAATGATG  
GGTACGCCCTGATGGGAAATGAGTGAAGTCAAGAGAGCGAGGCATCAGAGAAGAAATGTATCCATGCCAG  
CAGCACCATCAGCAGGAGGACAGATATCATCAGGCGAAGCATCTTGGCCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR223583 representing NM\_001130185  
Red=Cloning site Green=Tags(s)

MKRGRLPSSSEDSDDNGSLSTTWSQHSRSQHGRSSTCSRPEDRKPSEVFRTDLITAMKLHDSYQLNPDDY  
YVLADPWRQEWKGVQVPVSPGTIPQPVARVVSEEKSLMFIKPKYIASSGSEPPALGYVDIRTLADSV  
RYDLNDMDAAWLEVTNEEFKEMGPELDEYTMERVL EEFEQRCYDNMNHAIETEEGLGIEYDEDVCDVC  
QSPDGEDGNEMVFCDKCNICVHQACYGILKVPEGSWLCRTCALGVQPKLLCPKKGAMKPTRSGTKWVH  
VSCALWIPEVSIQSPEKMEPITKVSHIPSSRWALVCSLCNEKFGASIQCSVKNCRTAFHVTCADFDRGLEM  
KTI LAENDEVKFKSYCPKHSSHRKPEEGLGEGAAQENGAPESSPQSPLEPYGSLEPNREEAHRVSVRKQK  
LQQLEDEFYTFVNLLDVARALRLPEEVDFLYQYWKLKRKINFNKPLITPKKDEEDNLAKREQDVLFRRL  
QLFTHLRQDLERVRNLTYMVTREKIKRSVCKVQEQIFTQYTKLLEQEKVSGVPSSCSALENMLFFNSP  
SVGNAPKIEDLKWHSAFFRQMGTSLVHPLKSHKRDAVQNSSGTEGKTSHKQPGLCGRREGLEVSESL  
LSLEKTFAEARLLSSAQKNGVTPDHGKRRDNRFHCDLVKGDLDKSFQSHKPLRSTDTSRHLDNTR  
AATSPGVGQSAPGTRKEIVPKCNGSLVKVPI TPASPVKSWGGFRIPKKGERRQQQGEAHDGACHQHSDCSH  
LGVSRAPAKERAKSRLRADSENDGYAPDGEMSDSESEASEKCCI HASSTISRRTDIIRRSILAS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001130185

**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\\_001130185.1](#), [NP\\_001123657.1](#)

**RefSeq Size:** 5566 bp

**RefSeq ORF:** 2505 bp

**Locus ID:** 269424

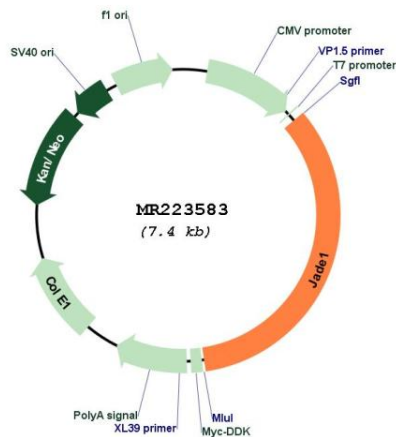
**UniProt ID:** [Q6ZPI0](#)

**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 MR223583