

## Product datasheet for **RR212286**

### **Magee1 (NM\_001079891) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Magee1 (NM_001079891) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Magee1
Synonyms:	DAMAGE; RGD1560259
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR212286 representing NM\_001079891  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGCTGGTAAGCCAGAATTCGCGCCGCCCGCGGTGGAAGGGCCAATGGGCGCAAAAACAGCGGGA  
 AGGGTCGCCCTGCTGCCGTGCCAGGGCCAGCCGTCCCCGGGATCGCAGCGATCCTCAGATCCTTACGGG  
 CCTCGGGCCACTGAGGGCCCTGGCACCTCCGTGCTGCCACCCCCGGGGGGTCAAGCACCTCTGTG  
 CCGCCACCGCTCAGAGGGCTCAAGCGCCCTGGGCAGCTCATCACCTCCGAGGGGCGGAACACCTCCC  
 AGCTGCCACCTCCAGGAAGGGTCGGGGCACCCCGCCCTCTGCAGTCTCCGCGGGGTGAACGCTGC  
 TCGTCAATCACCGCTCGGAGGGCGGAGTACCCAGTGTGCCACTGCTCCTAAGGGCTCAAAGGCC  
 TCTGAGCATCTACTATCTCAGAAGGGGCGAGCATCTCCGAGCAGCCCAATCTCATGAGGGCCCTAACG  
 TGCAGCCACCTGGGTGAGGGTTCGGGAACCTCGGTGCCGCCACCTTCTCCGAGGAATCTGGCATTTC  
 CGAGCCGCTGCCCTCTGGTGAGGGCTTGGAGCATCTCCGTGTCGCCACCATCTCGGAGGGAGCGGTATC  
 AACGAGCCCTCCCCGCTAGTAAGGCTCCAAGCACTTCGGTGCCGCCACTGCCTTAATGGACTGGGCA  
 TCAACTGCCGCCACCTCCAGTGAGGGCTGAGCATCTCTGTGCTGTTCTCGGTTCCGGAGGAATCCGA  
 CATCTCCGTGCCGCCCCCTCCGCTGAGGGACTCAGCACCTCCATGCCGCCCCCTCCGGTGAGGTCCAG  
 AGCACCTGGGTGCCGCCATTATCTTGGAGGGATGTAGCGTCAAGGTGCCGTCCACCTCCAGAAAAGGAC  
 GGCGCACCCAGTGCATCAGCTGCCTGTGAGAGCCCCAGCCCCCAGCCGAGTGCCTGAGCACGTCCCT  
 GTCATCCATTTCTGCTGAGGGCTTCTGCAGCTCGCTGGCGCCCTGCGCGGAGGGATCCGACACCTGTGAG  
 CTGTTCCCTGCGGGGAGGGCCCGAGCACCTCGGGGTGCATGACCTGGAGGAGGAGTGCAGCATCTCGC  
 AGTACCCCTAGCTGCAGAGGGCCCTAGCGCTTCTGGTTCGTCATTGAAGATGAAAACCTGAGGAAG  
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 GATCCGCTGTACGCCAAAGCGTGCAGAAGGCTTCTGGATTTCCAGGTCTGAGAGACAGTGAGAATT  
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 CCCACCTGGAGTGCATCTTATAGTTTGAAGTGAAGGAGTACCCCTGAGGAGCACACCTACATCCTGCT  
 CAACAACTGGGACCAGTGCCTTTGAAGGTTAGAAGACATCCCAAATGGGCCAAAGATGGGCCTTTG  
 ATGATGATTTCTGGACAGATTTTCTAAATGGCAACCAAGCCAGAGAAGCCGATATTTGGGAGATGCTCT  
 GGAGATTCGGAGTGCAGGTGAAAGAAGGCTTTCTGTTTTGGGAACCCGAAGAGACTTCTGTCTGTAGA  
 GTTTGTGTGGCAGCGTACTTGGACTACAGGCCGATAACTGACTGTGTACCAGTGCAGTATGAGTTTTAC  
 TGGGGCCACGATCCACGTAGAAAACCAAGATGAAAATTCTGAAGTTCATGGCTAGGATCTATAACA  
 AAGACCCATGGACTGGCCAGCACAGTACAATGAAGCTCTGGAGGAAGAGGCTGAGCGAGATGTTCTTAA  
 TAACTGGCGAGCTGTTCCCTCACTTTAGGAGGCCCTTTTTCAAGAAGTTTCTCCAGAACTACTGGCTTCC  
 GATTCAGATGCTCCTGGCTGTCCCTCAAAATATCTCCTCATTCTTGGCCTGAGTCAAGGTTAGAGAGCA  
 AGTCAAGGAAATGGTTCAGTTATTTCTGCTGATGGATTCAACTAAGCTGCCTATACCAAGAAGGGAAT  
 CCTGATTACATTGGTCGAGAGTGTAGCAAAGTGTCCCTGACCTCCTGAATCGGGCTGCTCGCACCTA  
 AACCCAGTGTATGGGACAGAGTGTAGTGTCTTATCCAGGAACCACTCTACACCCTGTACAACCGAA  
 GAGAAATGGAAGATATGGAAGAGATTATGGACAGTCCAAACAGGCCCGGCAACAATTTCTTAATGCAGGT  
 TCTGAGTTTCTTATAATGGCAACCATGCTAGGGAGTCTGCAGTCTGGGCTTTCTGAGGGGCTTG  
 GGGTTCAAAAATGGGAGAAAGCATGTGATTACCTGTAGGTATTTGAGTACGCGCTACATAGACAGTTTGC  
 GGGTCTGACAGTATCCGGTGCAGTATGATTTTGTATGGGCCCTAGAGCCCGCTGGAAACCTCCAA  
 GATGAAAGCCCTGCGATATGTGGCCGAATCCACAGAAAGGAGCCACAGGACTGGCCAGACCAGTACAGG  
 GAGGCGTTGGAAGATGAGCCAATAGAGCTGAAGCTGGGCGCCGACCCTGGTTGTCGTAACCTGCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

**Protein Sequence:** >RR212286 representing NM\_001079891  
 Red=Cloning site Green=Tags(s)

MSLVSQNSRRRRGGRANGRKNKSGKGRPAAVPGPAVPRDRSDPQILQQLGATEGPGTSVLPTPRGGSSTSV  
 PPTASEGSSAPGQLITSEGRNTSQLPTSRLKGRGTRRPPAVSAGLNAASITASEGASTPVLPTAPKGSKA  
 SEHLTISEGASISEQPQSHEGPNVQPTLGEESGTSVPPTFSEESGISEPLPSGEGLSISVSPTISEGAGI  
 NEPSPAKAPSTSVPTASNGLGINLPPTSSEGLSISVLFSASEESDISVPPPSAEGSLTSMPPPSGEVQ  
 STWVPIILEGCSVKVRSTSRKGRRTPVRSAAACSPSPAECLESTLSSISAEGFCSSLAPCAEGSDTCE  
 LLPCGEGPSTSGLHDLLEESSISQMPPLAAGPSASGSSIEDENPEEALSCGASVGMNLCKCTSLALQKAD  
 DPSVRPKRAEGFLDFQVLRDSENSNSITIMGLGTAHVALTLKPQDPMQNVAEELLQFLLLKDQTKYPIKE  
 SEMREFIVQEYRNQFPEILRRAAAHLECFRFEKELDPEEHTYILLNKLGPVPEGLDIPNGPKMGLL  
 MMILGQIFLNGNQAREADIWEMLWRFVQVREKLSVFGNPKRLLSVEFVWQRYLDYRPTDCVPEYEFY  
 WGPRSHVETTKMKILKFMARIYNKDPMDWPAQYNEALEEEEAERDVPNNWRAVPHFRPLFQEVPELLAS  
 DSDAPGCPKSKYSPHSWPESRLESKRKLQFLFLMDSTKLPKPKGILYYIGRECSKVFPDLLNRAARTL  
 NHVYGTGLVLDPRNHSYTLNRRMEDMEEIMDSPNRPGNNFLMQVLSFIFIMGNHARESVAWFLRGL  
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 EALEDEANRAEAGRRPLVVRNLR

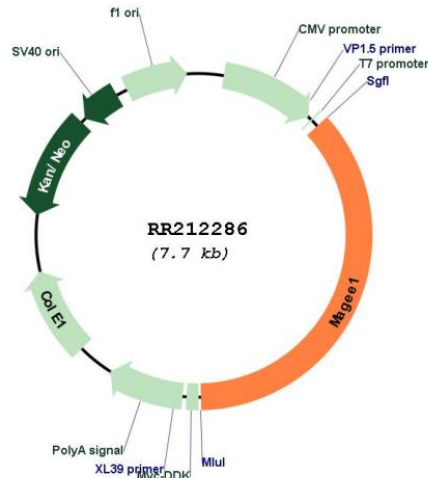
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001079891

**ORF Size:** 2799 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\\_001079891.1](#), [NP\\_001073360.1](#)

**RefSeq Size:** 3548 bp

**RefSeq ORF:** 2802 bp

**Locus ID:** 317232

**UniProt ID:** [A1A5P9](#)

**Cytogenetics:** Xq22

**MW:** 102.2 kDa

**Gene Summary:** May enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex (By similarity).[UniProtKB/Swiss-Prot Function]