

## Product datasheet for **MR210298**

### **Magee1 (NM\_053201) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Magee1 (NM_053201) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Magee1
Synonyms:	AI847422; DAMAGE; mMage-e1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>MR210298 representing NM\_053201  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCGCTGGTAAGCCAGAATTCGCGCCGCCGCCGGTGAAGGGCCAATGCGCGCAGAAACAACGGGA  
 AGGGTCACCCTGCTGCTGTGCCAGGCCAGACGTCCCTCGGGATCGCAACGATCCTAAGATCCTCCAGGG  
 CCTCCGCGCCTCTGAGGGCCCTGGCACCTCCATGCTGCCACCCCGGGAGGGCCCAAGCGCCTCTGTG  
 CCGCCACCGCCTCAGAGGGCTCAAGCGCCCTAGGCAGTTTCATCATTCCAGGGGCCGAACACCTCCG  
 AGATGCCACCTCCAGGAAGGGTCGGGGCGCCTCCCGCCTCTGCAGTTCCGCGAGGGTGAACACCGC  
 TATGTCAATCACCGCCTCGGAGGGCCGAATAGCCCTGTGCCGCCACTGCTCCTAAAGGCTCAAAGGCC  
 TATGAGCATCTCCCTGTCTCAGAAGGGCTGGCCATCTCTGAGCAGCGTCACTCTGATGGGGGCCCTAACA  
 TGGAGCCACCTGGGTGAGGGCCGGGAATCTCGGTGCCGCCACCTTCTCTGAGGAATCGGGCATTTC  
 TGATGAGGGCTTGAGCATCTTTATGTCGCCAACATCTCGGAGGGACCGGTATCAACGAGCCCTACTCC  
 GTTAGTGAGGACCAAGCACTTCGGTGCCGCCACTGACTCTAATGGACTGGGCATCAACCTGCCGCCCA  
 CCTTCGGTGAGGGCCTGAGCATCTCTATGCTGTTCTCCGCTTTGGAGGAACCCGACATCTTTGCGCGCC  
 CCCCTCCGCTGAGGGACTGTTCCGCTCCATGTCGCCCCCTCCGGTGAGATCCAGAGCTCCTGGGTGTCG  
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 CATCAGCTGCTTGTGAGAGCCCGAGCACCTCAGCCGAGGGCCTGAGCTCGTCCCTGTATCCATTCTGC  
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 GGCCGGAGCACCTCGGAGCTGACTGCTGGGGAGGGGTGAGCACCTCGCAGATGTCCCTAGTGCCTC  
 AGGGCCCTAGCGCTTCTGGGATGCCACTGAAGCTAATAACCCCGAGGAAGCACTGAGTCTGTGCTTC  
 TGAGCGCAGGAACAAGAGCACCTCCCGTCTCTGCAAAAAGGCCAAGGATCCATCTGTACGCCAAAAGCGT  
 GAAGACCGCTTCCGATTTCCAGGTCCTGAGAGACAGTAAGAATTCCAACTCCATCACCATTATGGGCC  
 TGGGCACCTCCCGCTTCTTACCTTGAAGCCTCAGGATCCCATGGAGCAAAACGTAGCAGAATTGTT  
 GCAGTTTCTGCTGCTGAAGGATCAGACCAAGTACCCTATCAAGGAATCTGATATGAGGGAATTCATTGAC  
 AAAGACTATCGCCACCAGTTCGCGGAGATCCTCAGACGAGCAGCAGTCCACCTGGAGTGCATTTTCGGT  
 TTGAAGTGAAGGAGCTCGACACTGAGGAGCACATCTACATCCTGCTCAACAACTGGGACCAGTGCCTT  
 TGAAGGGTTAGAAGACGTCCCAATGGGCCAAAGATGGGCCTCTTGATGATGATTCTGGGACACATTA  
 CTAATGGCAACCAAGCGAGAGAAGCTGATATCTGGGAGATGCTCTGGAGATTCCGAGTGCAGCGTGAAA  
 GAAGGCTTTCTGTTTTGGGAACGTGAAGAGACTTCTGTCTGTAGAGTTTGTGTGGCAGCGTTACTTGGA  
 CTATAGGCCACTAACTGACTGTGTGCCAGTCGAGTATGAGTTTTACTGGGGCCACGATCCCGCGCAGAA  
 ACCACCAAGATGAAAATCTGAAGTTCATGGCTAAGATCTATAACAAAGATCCTATGGACTGGCCAGCCC  
 TGTACAACGAAGCTCTGGAAGAAGACGCTGACAGAGTTGTTGTTAATAAATTCAGAGTTGCTCGTCCATT  
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 TGGCCTGAGTCAAGATTAGAGAGCAAGGCAAGGAAATGGTCCAGTATTTCTGCTGATGGATTCAACTA  
 AGCTGCCTATACCAAAGAAGGGAATCCTGTATTACATCGGTCGAGAGTGCACCAAAGTGTCCCTGATCT  
 CCTGAATCGTGTCTCGCACCCCTAAACCACGTGTATGGCACAGAGCTAGTGGTCTTGATCCCGAGAAC  
 CACTCCTACACCCTGTACAACCGAAGAGAAATGGAAGATACAGAAGAGATCATGGACAGTCCAAAACAGGC  
 CCGGCAACAATTTCTTAATGCAGGTTCTGAGCTTCATCTTTATCATGGGCAACCATGCGAGGGAGTCTGC  
 AGTCTGGGCTTTCTAAGGGCTTGGGAGTTCAAATGGCAGAAAGCACGTGATTACCTGTCCGATTTTG  
 AGTCAGCGCTACCTAGACAGTTTGGGGTTCCTGACAGTATCCGGTGCATATGATTTTGTATGGGGCC  
 CTAGAGCCCGCTGAAACCTCCAAGATGAAAGCCCTGCGATATGTGGCCCGAATCCACAGAAAGGAGCC  
 AGAAGACTGGCCGGAGCAGTACAGGGAGGCAATGGAAGATGAGGCCAACAGAGCTGAAGCTGGGCGTCGT  
 CCGTTGATCGTTCGCAACTTGCGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

**Protein Sequence:** >MR210298 representing NM\_053201  
Red=Cloning site Green=Tags(s)

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MSLVSQNSRRRRGGRANARRNNGKGHPAAVPGPDVPRDRNDPKILQGLRASEGPGTSMPLPTPREGPSASV
PPTASEGSSAPRQFIISQGPNTSEMPTRKGRGASRPPAVSAGLNTAMISITASEGPNPVPPTAPKGSKA
YEHLPVSEGLAISEQRHSDGGPNMEPTLGEHPGISVPPPTFSEESGISDEGLSIFMSPNISEGPGINEPYS
VSEDPSTVPPPTDSNGLGINLPPTFGEGLSISMLFSALEEPDIFAPPPSAEGLFASMSPPSGEIQSSWVS
PIIMEGCNVNVPPTSCKKGLRTSVPSAACEPSTSAEGLSSLSISAEGLFSSSLAPCAAEGSCCELLPCGE
GRSTSELHCLGEGSSTSQMSLAAEGPSASGMPTEANNPEALSCCASERRNKSTSRALQKAKDPSVRPKR
EDRFLDFQVLRDSKNSNSITIMGLGTSRVALTLKPQDPMQNVAEELLQFLLLKDQTKYPIKESDMREFID
KDYRHFQFPEILRRAAVHLECFRFEKELDTEEHYILLNKLGPVVFEGLEDVPNGPKMGLLMMILGHIL
LNGNQAREADIWEMLWRFVQVREERL SVFGNVKRLLSVEFVWQRYLDYRPLTDCVPVEYEFYWGPRRAE
TTKMKILKMAKIYNKDPMDWPALYNEALEEDADRVVNNFRVARPFRRPLFAEVAPELDASGSKYSPHS
WPESRLESKARKLVQLFLMDSTKLPKPKGILYYIGRECTKVPDLLNRAARTLNHVYGTLEVLVLDPRN
HSYTYLNRREMEDTEEIMDSPNRPGNNFLMQVLSFIFIMGNHARESVAWAFRLRGLGVQNGRKHVITCRYL
SQRYLDSL RVPDSDPVQYDFVWGPRARLET SKMKALRYVARIHRKEPEDWPEQYREAMEDEANRAEAGRR
PLIVRNLR
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9109\\_c03.zip](https://cdn.origene.com/chromatograms/mm9109_c03.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_053201

**ORF Size:** 2754 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053201.4</a> , <a href="#">NP_444431.3</a>
<b>RefSeq Size:</b>	3584 bp
<b>RefSeq ORF:</b>	2757 bp
<b>Locus ID:</b>	107528
<b>UniProt ID:</b>	<a href="#">Q6PCZ4</a>
<b>Cytogenetics:</b>	X D
<b>MW:</b>	101.6 kDa
<b>Gene Summary:</b>	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]

