

## Product datasheet for **MC202883**

### Maged1 (NM\_019791) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Maged1 (NM_019791) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Maged1
Synonyms:	2810433C11Rik; 5430405L04Rik; Dlixin; Dlxin-1; Dlxin1; DXBwg1492e; MAGE-D1; mFLJ00163; NRAGE
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC031461 sequence for NM\_019791  
 CTGGCATTCTCTCTGGACGCGGAGAGAGTGGGGTGCCGAGAGCCGACAGAGCCATTCCCAGTCTCT  
 TGAGTCGCGAAGAAGGAAACAGCGAAGGGATTGGGGTTCGGCCCTGAGGCAAGGCTCTGCTCTTGCCAGG  
 GAGACGAGAGCTATGGCTCAGAAACCGGACGGCGGTGCAGGCCTCCGCGGCTTCCAGGCTGAGGCCTCTG  
 TTGAAGACAGCGCCTTGCTTGTGCAGACCTTGATGGAAGCCATCCAGATCTCCGAGGCTCCGCCACCAG  
 CCAGGCCACAGCAGCTGCCAGTGGGCCAAATGCTAGTCCCAGAGTTCACAGCCCCAACCTGCCAATGAG  
 AAGGCTGATACTGAGGTTTCAGCAGCTGCTGCCAGGCCTAAGACAGGCTTTAAGGCCCAGAATGCCACCA  
 CAAAGGGGCCAAATGATTACTCTCAGGCACGTAATGCCAAGGAGATGCCCAAGAATCAGTCTAAGGCGGC  
 CTTTAAGTCACAGAATGGCACCCCTAAAGGTTACATGCTGCCTTGACTTTTCCAGGACAGCCACACA  
 GGCAAATCAGCTAAAAAGTCTGAAATGGCCTTTAAGGGTCAGAATAGCACTAAGGCTGGCCCCGGTACCA  
 CCTACAATTTCCCTCAGTCTCCAGTGCCAATGAGATGACCAACAACCAGCCTAAGACAGCTAAGGCTTG  
 GAATGACACTACTAAGGTCCTGGAGCTGATGCCAGACCCAGAATGTAATCAGGCCAAAATGGCTGAC  
 GTAGGGACCAGCGCAGGTATCTCTGAAGCTGATGGTGCAGCAGCCAGACATCAGCAGATGGCTCCCAGA  
 CTCAGAACATGGAGTCCCGGACTATAATTCGGGGCAAGAGACCCGCAAGGTTAATAACTGAATGTGGA  
 AGAGAACAACAGTGGGGATCAAAGGCGTGCCTCACTGGCCTCAGGGAACCTGGAGGCTGCTCCGGTTCCA  
 GTGACCCTCAGCAGAACCACCTGGAGACCCCTAATGTGGTGTGGCAGACCACTGGCTTGGCAGA  
 ACCCATCAGGCTGGCAAACAGACAGCCAGGCAGACCCACCAGCAGCAGTCCAGGCTCCCGAGCTAG  
 GCAGACACCATCAGTCTGGCAGAACCAGTTGCATGGCAGAATCCAGTGTCTGGCTAACCAGTGATC  
 TGGCAGAATCCAGTGTCTGGCCAAACCCATTGTCTGGCCTGGCCCAATTTGCTGGCCAAACCCAAATGG  
 CCTGGCAGAGTACACCTGGATGGCAGAGCCACCAGCTGGCAGGCTCCACCTAGTTGGCAGAGCCCTCA  
 AGATTGGCAGGGCCCTCCAGATTGGCAGGTACCACCTGACTGGTCAATGCCTCCTGACTGGTCTTTCCC  
 TCCGACTGGCCTTTTCCACCTGACTGGATCCCCGCGACTGGCCAATCCACCTGACTGGCAGAATTAC  
 GACCCACCTAATCTGAGATCCTCCTCAACTCTCGTGCCTCACAGAACCAGGGTCTCCACAGCCCCG  
 AGATGTGGCCCTTCTTCAGGAAAGAGCAAAATAAGTTGGTCAAGTACCTGATGCTTAAAGACTACAGGAAG  
 GTGCCATCAAGCGCTCAGAAATGCTGAGGATATCATCCGAGAATACACTGATGTCTATCCAGAAATCA  
 TTGAGCGCGCATGCTTTGTCTGGAGAAGAAGTTTGAATCCAGCTGAAGGAAATCGACAAAGAAGAGCA  
 TCTGTATATTCTCATCAGTACCCTGAGTCCCTGGCTGGCATACTGGGAACGACCAAGACACCCGAAG  
 CTTGGCCTCCTCTTAGTGATTCTGGCATTATCTTTCATGAATGGCAACCGTGCCACCGAGGCGTCTCT  
 GGGAAGCACTGCGCAAGATGGGACTACGTCCTGGGGTGAACATCCCCTCCTTGGTGACCTGAGAAAAT  
 TCTTACTTACGAGTTTGTAAAGCAGAAATACCTGGACTACAGACGAGTGCCCAACAGCAACCCTCCTGAG  
 TATGAGTCTCTGGGGCTCCGCTCCTACCATGAGACTAGCAAGATGAAAGTGTGAGATTCATTGCAG  
 AGGTTTCAGAAGAGAGACCCTCGTACTGGACTGCACAGTTCATGGAAGCTGCAGATGAAGCTTGGATGC  
 TCTGGATGCTGCTGCAGCTGAGGCGAGAGCCCGGGCTGAAGCGAGAAACCGCATGGGAATTGGAGATGAG  
 GCTGTGTCTGGTCCCTGGAGCTGGGATGACATTGAGTTTGAAGTGTGACCTGGGATGAGGAAGGAGATT  
 TTGGAGATCCTTGGTCCAGGATCCCCTTACCTTCTGGGCCAGATACCACCAGAAATGCCCGCTCCAGGTT  
 TCCCCAGGCTTTACTGGCCCCATATTGGCCCCAGCGGTACTGCCACCGCCAACTTCGCCGCCAACTTC  
 GGTGCCATTGGCTTCTTCTGGGTTGAGTAAATTGTCAGATACTGCTCATCTTGAATAGTTTTCCCTG  
 AGTGAGGCTGAAGCCTCAGGTTCTTCAAACACGCTATCTAGAGAGCCACATCCTGTTGACTGAGAGTG  
 GCATGCAAAATACATTTATTTGCTATTCTGCTTACTTTTTTTTTTCTTTGTGTGTGTCAAGTTTTGGTA  
 TCAGAAATAAATGTTGAAATTGCAAAGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_019791

**Insert Size:** 2328 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<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>	<u><a href="#">BC031461</a></u> , <u><a href="#">AAH31461</a></u>
<b>RefSeq Size:</b>	2717 bp
<b>RefSeq ORF:</b>	2328 bp
<b>Locus ID:</b>	94275
<b>UniProt ID:</b>	<u><a href="#">Q9QYH6</a></u>
<b>Cytogenetics:</b>	X 41.56 cM
<b>Gene Summary:</b>	Involved in the apoptotic response after nerve growth factor (NGF) binding in neuronal cells. Inhibits cell cycle progression, and facilitates NGFR-mediated apoptosis. May act as a regulator of the function of DLX family members. 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. Plays a role in the circadian rhythm regulation. May act as RORA coregulator, modulating the expression of core clock genes such as ARNTL/BMAL1 and NFIL3, induced, or NR1D1, repressed.[UniProtKB/Swiss-Prot Function]