

## Product datasheet for **MR210587**

### Maged1 (NM\_019791) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Maged1 (NM_019791) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maged1
Synonyms:	2810433C11Rik; 5430405L04Rik; Dlixin; Dlxin-1; Dlxin1; DXBwg1492e; MAGE-D1; mFLJ00163; NRAGE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR210587 representing NM\_019791  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTCAGAAACCGACGGCGGTGCAGGCCTCCGCGCTTCCAGGCTGAGGCCTCTGTTGAAGACAGCG  
 CCTTGCTTGTGCAGACCTTGATGGAAGCCATCCAGATCTCCGAGGCTCCGCCACCAGCCAGGCCACAGC  
 AGCTGCCAGTGGGCCAAATGCTAGTCCCCAGAGTTCACAGCCCCAACTGCCAATGAGAAGGCTGATACT  
 GAGGTTTCAGCAGCTGCTGCCAGGCCTAAGACAGGCTTTAAGGCCAGAAATGCCACCACAAAGGGGCCAA  
 ATGATTACTCTCAGGCACGTAATGCCAAGGAGATGCCAAGAATCAGTCTAAGGCGGCTTTAAGTCACA  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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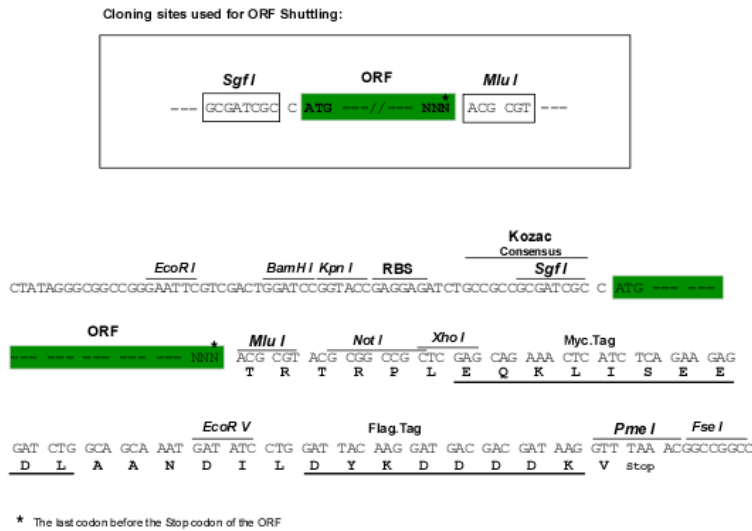
Protein Sequence: >MR210587 representing NM\_019791  
Red=Cloning site Green=Tags(s)

MAQKPDGGAGLRGFQAEASVEDSALLVQTLMEAIQISEAPPTSQATAAASGPNASPQSSQPPTANEKADT  
EVSAAAARPKTGFKAQNATTKGPNQDYSQARNAKEMPKNQSKAAFKSQNGTPKGPAAASDF SQAAPTGKSA  
KKSEMAFKGQNSTKAGPGTTYNFQSPSANEMTNNQPKTAKAWNDTTKVPGADAQTQNVNQAKMADVGT  
AGISEADGAAAQTSADGSQTQNVESRTIIRGKRTRKVVNNLNVEENNSGDQRRASLASGNWRSAPVPVTTQ  
QNPPGAPPNVVWQTPLAWQNPQSGWQNTARQTPPAARQSPPARQTPSAWQNPVAVWQNPVIWPNPVIWQNP  
VIWPNPVIWPGPIVWPNPMAWQSTPGWQSPPSWQAPPSWQSPQDWQGPDPWQVPPDWSPDPWSFSDWP  
FPPDWIPADWPIPPDWQNLRSPNLRSSNSRASQNGPPQPRDVALLQERANKLVKYLMLKDYTKVPIK  
RSEMLRDIIREYTDVYPEIIERACFVLEKKFGIQLKEIDKEEHL YILISTPESLAGILGTTKDTPKLGLL  
LVILGIIFMNGNRATEAVLWEALRKMGLRPGVRHPLLGDRLKLLTYEFVKQKYLDYRRVPSNPPEYEF  
WGLRSYHETSKMKVLRFAEVQKRDPDWTAQFMEAADEALDALDAAAAEAEARAEARNRMGIGDEAVSG  
PWSWDDIEFELLTWDEEGDFGDPWSRIPFTFWARYHQNARSRFQAFTGPIIGPSGTATANFAANFGAIG  
FFWVE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9102\\_h03.zip](https://cdn.origene.com/chromatograms/mm9102_h03.zip)

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_019791

**ORF Size:** 2325 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\\_019791.3](#)

**RefSeq Size:** 2752 bp

**RefSeq ORF:** 2328 bp

**Locus ID:** 94275

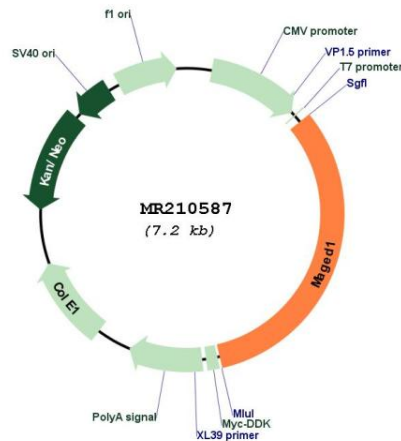
**UniProt ID:** [Q9QYH6](#)

**Cytogenetics:** X 41.56 cM

**MW:** 85.7 kDa

**Gene Summary:** 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]

### Product images:



Circular map for MR210587