

## Product datasheet for **RR214811**

### Maged1 (NM\_053409) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Maged1 (NM_053409) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maged1
Synonyms:	Nrage
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214811 representing NM\_053409  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCAGAAACCGACGGCGGTGCAGGCCTCCGCGCTTCCAGGCAGAGGCCTCTGTAGAAGACAGCG  
 CCTTGCTTGTGCAGACCTTGATGGAAGCCATCCAGATCTCCGAGGCTCCGCCACCAGCCAGGCCACAGC  
 AGCTGCCAGTGGGCCGAATGCTAGTCCCCAGAGTTCACAGCCCCAACTGCCAATGAGAAGGCTGATACT  
 GAGGTTTCAGCAGCTGCTGCCAGGCCTAAGACAGGCTTTAAGGCCAGAATACCACCACAAAGGGCCAA  
 ATGATTACTCTCAGGCACGTAATGCCAAGGAGATGCCAAGAATCAGCCTAAGGTGGCCTTTAAGTCACA  
 GAATGCCACCTCTAAAGGTCCACATGCTGCCTCTGATTTTTCCCATGCAGCATCCACAGGCAATCAGCA  
 GCTAAAAAGTCTGAAATGGCCTTAAGGGTCAGAATACCACTACTAAGGCTGGCCCCAGTGCCACCTACA  
 ATTTCACTCAGTCTCCAGTGCCATGAGATGACCAACAACCAGCCTAAGACAGCTAAGGCTTGGAAATGA  
 CACCCTAAGATCCCTGGAGCTGATGCCAGACCCAGAATGTAACCAGGCCAAAATGGCTGACGTAGGG  
 ACCAGTGCAGGTATCTCTGAAACTGACGGTGCAGCAGCCAGACCTCAGCAGATGGCTCCAGGCTCAGA  
 ATGTGGAGTCCCGGACTATAATTCGGGGCAAGAGGACCCGAAGATTAATAACTTGAATGTGGAAGAGAA  
 CAGCAATGGGGACCAAAGGCGTGCCTCGCTGGCTTCCGGAACTGGAGGTCTGCTCCGGTCCAGTAACC  
 ACTCAGAACCCACCTGGCGCACCCCTAATGTGCTGTGGCAGACACCACTGGCTTGGCAGAACCCATCAG  
 GCTGGCAAACAGACAGCCAGGCGAGCCCCACCAGCAGTCCAGAGTCCCCAGCTAGGCAGACACCATC  
 AGCTTGGCAGAACCCCGTTGCATGGCAGAATCCAGTGTCTGGCCTAACCAGTGTCTGGCAGAATCCA  
 GTGATCTGGCCAAACCCATTGTCTGGCCTGGCCCAATGTCTGGCCAAACCCAAATGGCCTGGCAGAGTA  
 CACCTGGATGGCAGAGCCACCCAGTTGGCAGGCTCCACCTAGTTGGCAGAGCCCTCAAGATTGGCAAGG  
 CCCTCCAGATTGGCAGTTACCACCTGACTGGTCAATGCCTCCTGACTGGTCTTTCCCTCTGACTGGCCT  
 TTTCCACCTGACTGGATCCCTGCCGACTGGCCAATTCACCCGACTGGCAGAACTTACGACCCTCACCTA  
 ATCTGAGATCCTCCCCAACTCTCGTGCCTCACAGAACCAGGTCCTCCACAGCCCCGAGATGTGGCCCT  
 TCTTCAGGAAAGAGCAAATAAGCTGGTCAAGTACTTGTGCTTAAAGACTACACGAAGGTGCCCATCAAG  
 CGCTCAGAAATGCTGAGAGATATCATCCGAGAATACACTGATGTTTATCCAGAAATCATTGAACGCGCAT  
 GCTTTGCTCTGGAGAAGAAATTTGGAATCCAGCTCAAGGAAATCGACAAAGAAGAGCATCTGTATATCCT  
 CATCAGTACCCCTGAATCCCTGGCTGGCATACTGGGAACGACCAAGACACCCGAAGCTAGGCCTCCTC  
 TTAGTGATTCTGGCATTATCTTCATGAATGGCAACCGTGCCACTGAGGCCGTCTCTGGGAAGCACTGC  
 GCAAGATGGGACTACGTCTGGGTGAGACATCCCTCCTTGGCGATCTGAGGAACTTCTTACTTACGA  
 GTTTGTAAGCAGAAATACCTGGACTACAGACGAGTGCCCAACAGCAACCCTCCTGAGTATGAGTTCCTC  
 TGGGGCTCCGCTCCTACCATGAGACTAGCAAGATGAAAGTGTGAGATTCATTGCAGAGGTTTCAGAAGA  
 GAGACCTCGTACTGGACTGCACAGTTCATGGAAGCTGCAGATGAAGCCTTGGATGCTCTGGATGCTGC  
 TGCAGCTGAGGCAGAGGCCCGGGCCGAAGCAAGAAACCGCATGGGGATTGGAGACGAGGCTGTGTCTGG  
 CCCTGGAGCTGGGATGACATTGAGTTTGGCTGCTGACCTGGGATGAGGAAGGAGATTTGGAGATCCTT  
 GGTCAGGATCCCCTTTACCTTCTGGCCAGATACCACCAGAATGCCCGCTCCAGGTTTCCCCAGGCCTT  
 TACCGGCCCATCATTGGCCCCAGCGGCACTGCCACCGCAACTTCGCCGCAACTTCGGTGCCATTGGC  
 TTCTTCTGGGTTGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214811 representing NM\_053409  
 Red=Cloning site Green=Tags(s)

MAQKPDGGAGLRGFQAEASVEDSALLVQTLMEAIQISEAPPTSQATAAASGPNAS PQSSQPPTANEKADT  
 EVSAAAARPKTGFKAQNTTTKGPNDYSQARNKEMPKNQPKVAFKSNATSKGPHAASDFSHAASTGKSA  
 AKKSEMAFKGQNTTTKAGPSATYNFTQSPSANEMTNNQPKTAKAWNDTTKIPGADAQTQNVNQAKMADVG  
 TSAGISETDGAQAQTADGSQAQNVESRTIIRGKRTRKINNLNVEENSGDQRRASLASGNWRSAPVPVT  
 TQNPFGAPPNVLWQTP LAWQNP SGWQNTARQTPPARQSPPARQTPSAWQNPVAVWQNPVIWPNPVIWQNP  
 VIWPNPIVWPGPIVWPNPMAWQSTPGWQSPPSWQAPPSWQSPQDWQGPDPWQLPPDWSMPPDWSFPDWP  
 FPPDWIPADWPIPPDWQNL RSPNLRSSPNSRASQNGPPQPRDVALLQERANKLVKYLMLKDYTKVPIK  
 RSEMLRDIIREYTDVYPEI IERACFVLEKKFGIQLKEIDKEEHL YILISTPESLAGILGTTKDTPLGLL  
 LVILGIIFMNGNRATEAVLWEALRKMGLRPGVRHPLLGDRLKLLTYEFVKQKYLDYRRVPSNPPEYEF  
 WGLRSYHETSKMKVLRFAEVQKRDPDWTAQFMEAADEALDAAAEEAEARAEARNRMGIGDEAVSG  
 PWSWDDIEFELLTWDEEGDFGDPWSRIPFTFWARYHQNARS RFPQAF TGP IIGSGTATANFAANFGAIG  
 FFWE

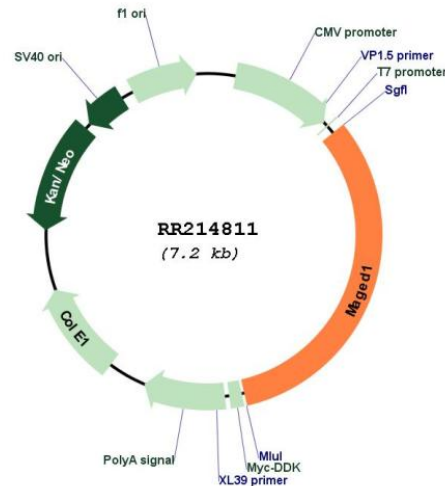
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfi-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_053409

**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\\_053409.2](#), [NP\\_445861.1](#)

**RefSeq Size:** 2695 bp

**RefSeq ORF:** 2328 bp

**Locus ID:** 84469

**UniProt ID:** [Q9ES73](#)

**Cytogenetics:** Xq22

**MW:** 85.8 kDa

**Gene Summary:** interacts with the p75 neurotrophin receptor; involved in mediating nerve growth factor-dependent apoptosis via a JNK-dependent pathway [RGD, Feb 2006]