

Product datasheet for **RG207077**

MAGED1 (NM_001005332) Human Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | MAGED1 (NM_001005332) Human Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | MAGED1 |
| Synonyms: | DLXIN-1; NRAGE |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>RG207077 representing NM_001005332
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCAGAAAAATGGACTGTGGTGCGGCCTCCTCGGCTTCCAGGCTGAGGCCTCCGTAGAAGACAGCG
CCTTGCTTATGCAGACCTTGATGGAGGCCATCCAGATCTCAGAGGCTCCACCTACTAACCAGGCCACCGC
AGCTGCTAGTCCCAGAGTTCACAGCCCCAACTGCCAATGAGATGGCTGACATTCAGGTTTCAGCAGCT
GCCGCTAGGCCTAAGTCAGCCTTTAAAGTCCAGAATGCCACCACAAAAGGCCAAATGGTGTCTATGATT
TCTCTCAGGCTCATAATGCCAAGGATGTGCCAACACGCAGCCCAAGGCAGCCTTTAAGTCCAAAATGC
TACCCCAAAGGGTCCAAATGCTGCCTATGATTTTTCCAGGCAGCAACCCTGGTGTAGTTAGCTGCTAAC
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CACTAAGGCCCAACAGCTGATACCCAGACCCAGAATGTAATCAGGCCAAAATGGCCACTTCCCAGGCT
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GGCAGAAATCCACTGGATGGCAGACTCCACTGGATGGCAGACCCACCCGGGCTGGCAGGGTCCCTCAGA
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GACTGGCCACTACCACCTGACTGGATCCCGCTGATTGGCCAATTCACCTGACTGGCAGAACCTGCGCC
CCTCGCCTAACCTGCGCCCTTCTCCCAACTCGCGTGCCTCACAGAACCAGGTGCTGCACAGCCCGAGA
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CACCTATGAGTTTGTAAGCAGAAATACCTGGACTACAGACGAGTGCCCAACAGCAACCCCGGAGTAT
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GTGTCTGGGCCCTGGAGCTGGGATGACATTGAGTTTGTGCTGACCTGGGATGAGGAAGGAGATTTTG
GAGATCCCTGGTCCAGAATTCATTTACCTTCTGGCCAGATACCACCAGAATGCCCGCTCCAGATCCC
TCAGACCTTTGCCGGTCCCATTATTGGTCTGGTGGTACAGCCAGTGCCAACTTCGCTGCCAACTTTGGT
GCCATTGGTTTCTCTGGTTGAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG207077 representing NM_001005332
 Red=Cloning site Green=Tags(s)

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MAQKMDCGAGLLGFQAEASVEDSALLMQTLMEAIQISEAPPTNQATAAASPQSSQPPTANEMADIQVSAA
AARPKSAFKVQNATTKGPNGVYDFSAHNAKDVNPNTQPKAAFKSQNATPKGPNAAAYDFSQAATTGELAAN
KSEMAFKAQNATTKVGNATYNFSQLNANDLANSRKPFPKAWNDTTKAPTADTQTQNVNQAKMATSSQA
DIETDPGISEPDGATAQTSADGSQAQNLERSRTIIRGKRTRKINNLNVEENS SSGDQRRAPLAAGTWRSAPV
PVTTQNPPGAPPNVLWQTP LAWQNP SGWQNTARQTPPARQSPPARQTPPAWQNPVAVQNPVIWPNPVIW
QNPVIWPNPVIWPGPVVWPNPLAWQNP PGWQTPPGWQTPPGWQGPDPDWQPPDWPLPPDWPLPPDWPLPT
DWPLPPDWIPADWPIPPDWQNL RSPNLRSPNSRASQNP GAAQPRDVALLQERANKLVKYLMLKDYTKV
PIKRSEMLRDIIREYTDVYPEIIERACFVLEKKFGIQLKEIDKEEHLIYL I STPELAGILGTTKDPKL
GLLLVILGVIFMNGNRASEAVLWEALRKMGLRPGVRHPLLGD LRKLLTYEFVKQKYL D YRRVPNSNPPEY
EFLWGLRSYHETSKMKVLR FIAEVQKRDPDWTAQFMEAADEALDAL DAAAAEAEARAEARTRMGIGDEA
VSGPWSWDDIEFELLTWDEEGDFGDPWSRIPFTFWARYHQNARS RFPQTFAGPIIGPGGTASANFAANFG
AIGFFWVE
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001005332

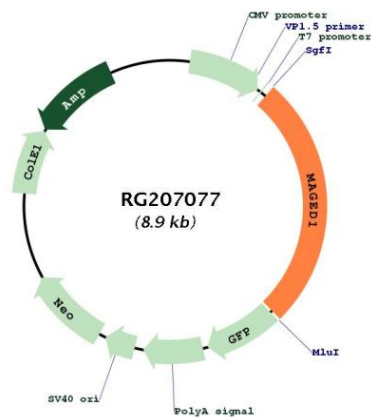
ORF Size: 2334 bp

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.

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| 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: | <ol style="list-style-type: none"> 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: | <u>NM_001005332.2</u> |
| RefSeq Size: | 2665 bp |
| RefSeq ORF: | 2337 bp |
| Locus ID: | 9500 |
| UniProt ID: | <u>Q9Y5V3</u> |
| Cytogenetics: | Xp11.22 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Neurotrophin signaling pathway |
| Gene Summary: | This gene is a member of the melanoma antigen gene (MAGE) family. Most of the genes of this family encode tumor specific antigens that are not expressed in normal adult tissues except testis. Although the protein encoded by this gene shares strong homology with members of the MAGE family, it is expressed in almost all normal adult tissues. This gene has been demonstrated to be involved in the p75 neurotrophin receptor mediated programmed cell death pathway. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] |

Product images:



Circular map for RG207077