

## Product datasheet for **RG234805**

### **MAGED4 (NM\_001272062) Human Tagged ORF Clone**

#### **Product data:**

|                                  |                                 |
|----------------------------------|---------------------------------|
| <b>Product Type:</b>             | Expression Plasmids             |
| <b>Tag:</b>                      | TurboGFP                        |
| <b>Symbol:</b>                   | MAGED4                          |
| <b>Synonyms:</b>                 | MAGE-D4; MAGE-EI; MAGEI; MAGEEI |
| <b>Mammalian Cell Selection:</b> | Neomycin                        |
| <b>Vector:</b>                   | pCMV6-AC-GFP (PS100010)         |
| <b>E. coli Selection:</b>        | Ampicillin (100 ug/mL)          |



ORF Nucleotide Sequence: >RG234805 representing NM\_001272062  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCTGAGGGAAGCTTCAGCGTGCAATCGGAAAGCTACAGTGTGAAGACATGGATGAGGGTAGCGACG  
AAGTCGGGGAGGAAGAGATGGTTGAAGGCAACGACTATGAAGAATTCGGTGCGTTTGGTGGCTATGGCAC  
CCTCACCAGCTTTGACATCCATATCCTCAGAGCCTTCGGAAGCTTGGGTCCAGGCCCTTCGCATCTTATCG  
AATGAGCCCTGGGAACGGAAAACCTGTGCTGGCCAGACCTGGTGGAGGCATTGCAGCTGGATCCGG  
AAACTTGGCAATGAGACGGCCGCCGTGCTGCCAACGTAGCCCGCCGCCGCCCTCCAACCGTGCGGC  
TCGGGCGCTGCCCGCGCTGCCGTACCGCTTCAGTCAGGTGGTGCCTAGCCACCGGGTGGCCAGGCCG  
CAGGTCTCAGGAGAGGATACCCAGCCACGACCTACGCCGCCGAGGCTCAGGGGCCACCCCTGAGCCAC  
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CTCCGACAGTCCAGACAGGCTCCCGGCCAGGAGGCTGCTACTGAGGGCCCTAGTAGCCCTGTGCT  
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CATCACAGCCCTATTGACGGTGGGGCTCAGTTGGCCCTCGGCCCGCATGGCCCGAGGTCCAGAT  
ACCCTCAAGGCACGTACTGTGCTGCCCGCCGCAACGTGACCCTTCTGCAGGAGAGGGCAAATAAGTTG  
GTGAAATACCTGATGATTAAGGACTACAAGAAGATCCCATCAAGCGCGCAGACATGCTGAAGGATGTCA  
TCAGAGAATATGATGAACATTTCCCTGAGATCATTGAACGAGCAACGTACACCTGGAAAAGAAGTTGG  
GATCCACCTGAAGGAGATCGACAAGGAAGAACCTGTATATTCTGTCTGCACACGGGACTCCTCAGCT  
CGCCTCCTTGAAAAACCAAGGACACTCCAGGCTGAGTCTCCTCTTGGTGATTCTGGGCGTCATCTTCA  
TGAATGGCAACCGTGCCAGCGAGGCTGTCTCTGGGAGGCACTACGCAAGATGGGACTGCGCCCTGGGGT  
GAGGCACCCATTCTCGCGATCTGAGGAAGCTCATCACAGATGACTTTGTGAAGCAGAAGTACCTGGAA  
TACAAGAAGATCCCAACAGCAACCCACCTGAGTATGAATTCCTCTGGGCTCGGAGCCCGCCATGAGA  
CCAGCAAGATGAGGGTCTGAGATTATCGCCAGAAATCAGAACCAGAGACCCCGGGAATGGAAGGCTCA  
TTTCTTGAGGCTGTGGATGATGCTTTCAAGACAATGGATGTGGATATGGCCGAGGAACATGCCAGGGCC  
CAGATGAGGGCCAGATGAATATCGGGATGAAGCGCTGATTGGACGGTGGAGCTGGATGACATACAAG  
TCGAGCTCTGACCTGGATGAGGACGGAGATTTGGCGATGCCTGGCCAGGATCCCCTTTGCTTTCTG  
GGCCAGATACCATCAGTACATTCTGAATAGCAACCGTGCCAACAGGAGGGCCACGTGGAGAGCTGGCGTC  
AGCAGTGGCACCAATGAGGGGCCAGCACCAGCGTCTAGATGGCCCGCAGCACCAGCTCCACCATCCGGA  
CCAGAAATGCTGCCAGAGCTGGCGCAGCTTCTCTCTGGATCCAGCACCGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234805 representing NM\_001272062

Red=Cloning site Green=Tags(s)

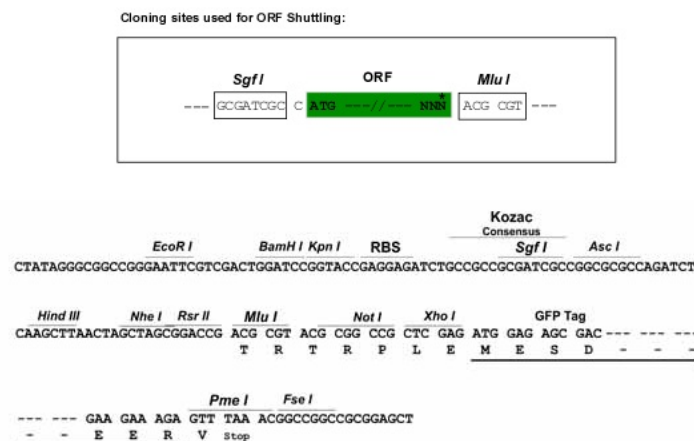
MAEGSFVQSESYSVEDMDEGSDEVEEEMVEGNDYEEFGAFGGYGTLTSTFDIHILRAFGLSPGLRILS  
NEPWELNPVLAQTLVEALQLDPETLANETAARAANVARAAASNRAAAAAAARTAFSQVVASHRVATP  
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FSQAPCAREVDANRPSTAF LGQNDVDFDTPAGVSGMAFPRPKRPAPAQAATEGPSAASGVPQTGPGR  
VAATRPKTTKSGKALAKTRWVEPQNVVAAAAAKAKMATSIPEPEGAAAAAQHSAEPWARMGGKRTKKSK  
HLDDYESSEEEETPAVPPTWRASQPSLTVRAQLAPRPPMAPRSQIPSRHVLCLPPRNVTLQLERANKL  
VKYLMIKDYKKIPIKRADMLKDVIREYDEHFPEIIERATYTLKKFGIHLKEIDKEEHLIYLVCTRDSSA  
RLLGKTKDTPRLSLLLVLGVIFMNGNRASEAVLWEALRKMGLRPGVRHPFLGDLRKLITDDFVKQKYLE  
YKKIPNSNPPEYEFLLWGLRARHETSKMRVLRFLAQNQNRDPREWKAFLEAVDDAFKTMVDVMAEEHARA  
QMRAQMNIQDEALIGRWSWDDIQVELLTWDEDGDFGDARIPFAFWARYHYQILNSNRANRRATWRAGV  
SSGTNGGASTSVLDGPSTSSITRTRNAARAGASFFSWIQHR

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM\_001272062

ORF Size:

2223 bp

OTI Disclaimer:

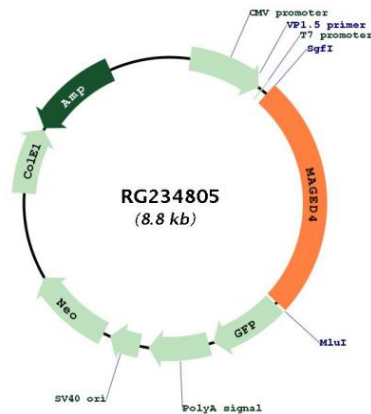
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq:</b>                | <u>NM_001272062.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>RefSeq Size:</b>           | 2588 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 2226 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 728239                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <u>Q96JG8</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | Xp11.22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

**Product images:**



Circular map for RG234805