

Product datasheet for **RG215090**

MAGED4 (NM_001098800) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGED4 (NM_001098800) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAGED4
Synonyms:	MAGE-D4; MAGE-E1; MAGE1; MAGEE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG215090 representing NM_001098800
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGAGGGAAGCTTCAGCGTGCAATCGGAAAGCTACAGTGTTGAAGACATGGATGAGGGTAGCGACG
 AAGTCGGGGAGGAAGAGATGGTTGAAGGCAACGACTATGAAGAATTCGGTGCGTTTGGTGGCTATGGCAC
 CCTCACCAGCTTTGACATCCATATCCTCAGAGCCTTCGGAAGCTTGGGTCCAGGCCCTTCGCATCTTATCG
 AATGAGCCCTGGGAAGTGGAAAACCTGTGCTGGCCAGACCTGGTGGAGGCATTGCAGCTGGATCCGG
 AAACACTTGCCATGAGACGGCCGCCGTGCTGCCAACGTAGCCCGCCGCCGCTCCAACCGTGCGGC
 TCGGGCCGCTGCCCGCTGCCGTACCGCTTCAGTCAGGTGGTCGCTAGCCACCGGTGGCCACGCCG
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 CCCTTGCTTCTCCGACAGCTCCAGATGTTAGTCACCAGTAAGATGGCTGCCCCGAGGCTCCGGCAAC
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 GGCCAGATACCATCAGTACATTCTGAATAGCAACCGTGCCAACAGGAGGGCCACGTGGAGAGCTGGCGTC
 AGCAGTGGCACCAATGGAGGGGCCAGCACCAGCGTCTAGATGGCCCCAGCACCAGCTCCACCATCCGGA
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ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

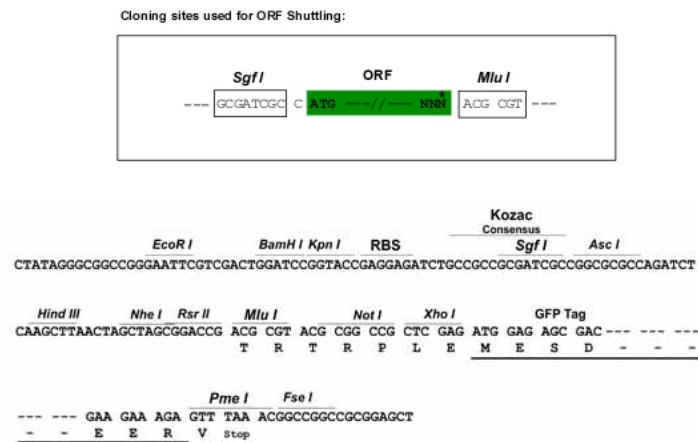
Protein Sequence: >RG215090 representing NM_001098800
 Red=Cloning site Green=Tags(s)

MAEGSFSVQSESYSDMDEGSDEVGEEEMVEGNDYEEFGAFGGYGLTSFDIHILRAFGSLGPGLRILS
 NEPWELNPVLAQTLVEALQLDPETLANETAARAANVARAAASNRAAAAAAARTAFSQVVASHRVATP
 QVSGEDTQPTTYAAEAQGTPEPPLASPQTSQMLVTSKMAAPEAPATSAQSQTGSPAQEAATEGPSSACA
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 RLLGKTKDTPRLSLLLVILGVIFMNGNRASEAVLWEALRKMGLRPGVRHPFLGDLRKLITDDFVKQKYLE
 YKKIPNSNPPEYFLWGLRARHETSKMRVLRFIAQNQNRDPREWKHFLEAVDDAFKTMVDMAEEHARA
 QMRAQMNIQDEALIGRWSWDDIQVELL TWDEGDGFDGAWARIPFAFWARYHQYILNSNRANRRATWRAGV
 SSGTNGGASTSVLDGPSTSSTIRTRNAARAGASFFSWIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001098800

ORF Size: 2217 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_001098800.3](#)

RefSeq Size: 2495 bp

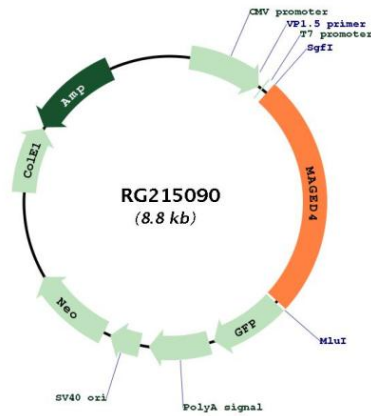
RefSeq ORF: 2220 bp

Locus ID: 728239

UniProt ID: [Q96JG8](#)

Cytogenetics: Xp11.22

Product images:



Circular map for RG215090