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Product datasheet for RC215090

MAGED4 (NM_001098800) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGED4 (NM_001098800) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGED4
Synonyms:	MAGE-D4; MAGE-E1; MAGE1; MAGEE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC215090 representing NM_001098800
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGAGGGAAGCTTCAGCGTGCAATCGGAAAGCTACAGTGTTGAAGACATGGATGAGGGTAGCGACG
AAGTCGGGGAGGAAGAGATGGTTGAAGGCAACGACTATGAAGAATTCGGTGCGTTTGGTGGCTATGGCAC
CCTCACCAGCTTTGACATCCATATCCTCAGAGCCTTCGGAAGCTTGGGTCCAGGCCTTCGCATCTTATCG
AATGAGCCCTGGGAACTGGAAAACCCTGTGCTGGCCCAGACCCTGGTGGAGGCATTGCAGCTGGATCCGG
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TCGGGCCGCTGCCGCCGCTGCCCGTACCGCCTTCAGTCAGGTGGTCGCTAGCCACCGGGTGGCCACGCCG
CAGGTCTCAGGAGAGGATACCCAGCCCACGACCTACGCCGCCGAGGCTCAGGGGCCCACCCCTGAGCCAC
CCCTTGCTTCTCCGCAGACCTCCCAGATGTTAGTCACCAGTAAGATGGCTGCCCCCGAGGCTCCGGCAAC
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TTCTCTCAGGCTCCGTGTGCCAGGGAGGTGGACGCCAACCGGCCCAGCACAGCCTTCCTGGGCCAGAATG
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CATCACAGCCCTCATTGACGGTGCGGGCTCAGTTGGCCCCTCGGCCCCCGATGGCCCCGAGGTCCCAGAT
ACCCTCAAGGCACGTACTGTGCCTGCCCCCCCGCAACGTGACCCTTCTGCAGGAGAGGGCAAATAAGTTG
GTGAAATACCTGATGATTAAGGACTACAAGAAGATCCCCATCAAGCGCGCAGACATGCTGAAGGATGTCA
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TACAAGAAGATCCCCAACAGCAACCCACCTGAGTATGAATTCCTCTGGGGCCTGCGAGCCCGCCATGAGA
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CAGATGAGGGCCCAGATGAATATCGGGGATGAAGCGCTGATTGGACGGTGGAGCTGGGATGACATACAAG
TCGAGCTCCTGACCTGGGATGAGGACGGAGATTTTGGCGATGCCTGGGCCAGGATCCCCTTTGCTTTCTG
GGCCAGATACCATCAGTACATTCTGAATAGCAACCGTGCCAACAGGAGGGCCACGTGGAGAGCTGGCGTC
AGCAGTGGCACCAATGGAGGGGCCAGCACCAGCGTCCTAGATGGCCCCAGCACCAGCTCCACCATCCGGA
CCAGAAATGCTGCCAGAGCTGGCGCCAGCTTCTTCTCCTGGATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215090 representing NM_001098800
Red=Cloning site Green=Tags(s)

MAEGSFSVQSESYSVEDMDEGSDEVGEEEMVEGNDYEEFGAFGGYGTLTSFDIHILRAFGSLGPGLRILS
NEPWELENPVLAQTLVEALQLDPETLANETAARAANVARAAASNRAARAAAAAARTAFSQVVASHRVATP
QVSGEDTQPTTYAAEAQGPTPEPPLASPQTSQMLVTSKMAAPEAPATSAQSQTGSPAQEAATEGPSSACA
FSQAPCAREVDANRPSTAFLGQNDVFDFTQPAGVSGMAFPRPKRPAPAQEAATEGPSAASGVPQTGPGRE
VAATRPKTTKSGKALAKTRWVEPQNVVAAAAAKAKMATSIPEPEGAAAATAQHSAEPWARMGGKRTKKSK
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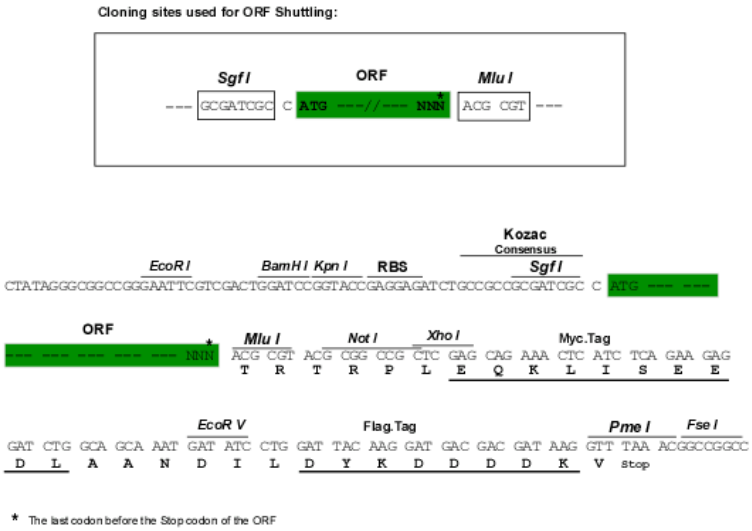
VKYLMIKDYKKIPIKRADMLKDVIREYDEHFPEIIERATYTLEKKFGIHLKEIDKEEHLYILVCTRDSSA
RLLGKTKDTPRLSLLLVILGVIFMNGNRASEAVLWEALRKMGLRPGVRHPFLGDLRKLITDDFVKQKYLE
YKKIPNSNPPEYEFLWGLRARHETSKMRVLRFIAQNQNRDPREWKAHFLEAVDDAFKTMDVDMAEEHARA
QMRAQMNIGDEALIGRWSWDDIQVELLTWDEDGDFGDAWARIPFAFWARYHQYILNSNRANRRATWRAGV
SSGTNGGASTSVLDGPSTSSTIRTRNAARAGASFFSWIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8027_g10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001098800

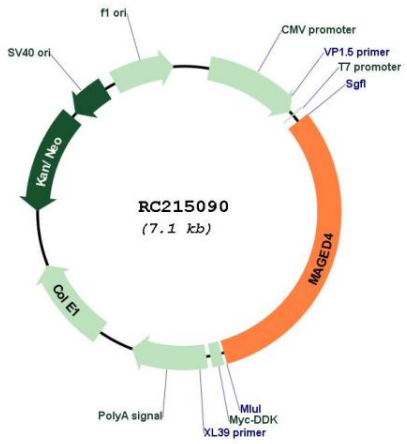
ORF Size: 2217 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001098800.3
RefSeq Size:	2495 bp
RefSeq ORF:	2220 bp
Locus ID:	728239
UniProt ID:	Q96JG8
Cytogenetics:	Xp11.22
MW:	80.9 kDa

Product images:



Circular map for RC215090