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Product datasheet for RC204088

MAGED1 (NM_001005333) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGED1 (NM_001005333) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGED1
Synonyms:	DLXIN-1; NRAGE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC204088 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCAGAAAATGGACTGTGGTGCGGGCCTCCTCGGCTTCCAGAATCCTGACGCTTGTAGAGCAGTCT
GTCACCCCCTCCCCCAGCCTCCTGCCTCCACCCTCCCTCTTTCTGCATTCCCCACTCTGTGCGACCCCCC
TTATTCTCAACTCCGCGATCCGCCTGCCGTCCTGAGCTGCTACTGCACGCCTCTTGGAGCGTCCCCGGCT
CCTGCTGAGGCCTCCGTAGAAGACAGCGCCTTGCTTATGCAGACCTTGATGGAGGCCATCCAGATCTCAG
AGGCTCCACCTACTAACCAGGCCACCGCAGCTGCTAGTCCCCAGAGTTCACAGCCCCCAACTGCCAATGA
GATGGCTGACATTCAGGTTTCAGCAGCTGCCGCTAGGCCTAAGTCAGCCTTTAAAGTCCAGAATGCCACC
ACAAAAGGCCCAAATGGTGTCTATGATTTCTCTCAGGCTCATAATGCCAAGGATGTGCCCAACACGCAGC
CCAAGGCAGCCTTTAAGTCCCAAAATGCTACCCCAAAGGGTCCAAATGCTGCCTATGATTTTTCCCAGGC
AGCAACCACTGGTGAGTTAGCTGCTAACAAGTCTGAGATGGCCTTCAAGGCCCAGAATGCCACTACTAAA
GTGGGCCCAAATGCCACCTACAATTTCTCTCAGTCTCTCAATGCCAATGACCTGGCCAACAGCAGGCCTA
AGACCCCTTTCAAGGCTTGGAATGATACCACTAAGGCCCCAACAGCTGATACCCAGACCCAGAATGTAAA
TCAGGCCAAAATGGCCACTTCCCAGGCTGACATAGAGACCGACCCAGGTATCTCTGAACCTGACGGTGCA
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CAGCACGTCAGAGCCCTCCAGCTAGGCAGACCCCACCAGCCTGGCAGAACCCAGTCGCTTGGCAGAACCC
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CCTGTTGTCTGGCCGAATCCACTGGCCTGGCAGAATCCACCTGGATGGCAGACTCCACCTGGATGGCAGA
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CTTGATGCTTAAGGACTACACAAAGGTGCCCATCAAGCGCTCAGAAATGCTGAGAGATATCATCCGTGAA
TACACTGATGTTTATCCAGAAATCATTGAACGTGCATGCTTTGTCCTAGAGAAGAAATTTGGGATTCAAC
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CTGACCTGGGATGAGGAAGGAGATTTTGGAGATCCCTGGTCCAGAATTCCATTTACCTTCTGGGCCAGAT
ACCACCAGAATGCCCGCTCCAGATTCCCTCAGACCTTTGCCGGTCCCATTATTGGTCCTGGTGGTACAGC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC204088 protein sequence
Red=Cloning site Green=Tags(s)

MAQKMDCGAGLLGFQNPDACRAVCHPLPQPPASTLPLSAFPTLCDPPYSQLRDPPAVLSCYCTPLGASPA
PAEASVEDSALLMQTLMEAIQISEAPPTNQATAAASPQSSQPPTANEMADIQVSAAAARPKSAFKVQNAT
TKGPNGVYDFSQAHNAKDVPNTQPKAAFKSQNATPKGPNAAYDFSQAATTGELAANKSEMAFKAQNATTK
VGPNATYNFSQSLNANDLANSRPKTPFKAWNDTTKAPTADTQTQNVNQAKMATSQADIETDPGISEPDGA
TAQTSADGSQAQNLESRTIIRGKRTRKINNLNVEENSSGDQRRAPLAAGTWRSAPVPVTTQNPPGAPPNV
LWQTPLAWQNPSGWQNQTARQTPPARQSPPARQTPPAWQNPVAWQNPVIWPNPVIWQNPVIWPNPIVWPG
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IPPDWQNLRPSPNLRPSPNSRASQNPGAAQPRDVALLQERANKLVKYLMLKDYTKVPIKRSEMLRDIIRE
YTDVYPEIIERACFVLEKKFGIQLKEIDKEEHLYILISTPESLAGILGTTKDTPKLGLLLVILGVIFMNG
NRASEAVLWEALRKMGLRPGVRHPLLGDLRKLLTYEFVKQKYLDYRRVPNSNPPEYEFLWGLRSYHETSK
MKVLRFIAEVQKRDPRDWTAQFMEAADEALDALDAAAAEAEARAEARTRMGIGDEAVSGPWSWDDIEFEL
LTWDEEGDFGDPWSRIPFTFWARYHQNARSRFPQTFAGPIIGPGGTASANFAANFGAIGFFWVE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6751_c08.zip

Restriction Sites: SgfI-MluI

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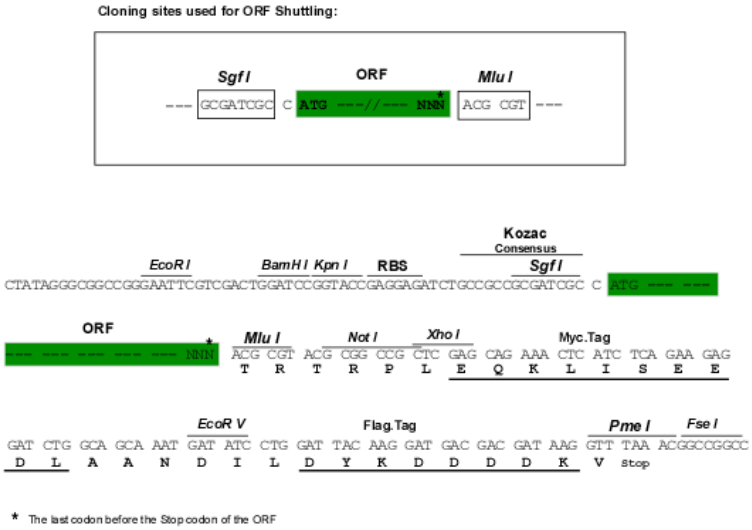
Cloning Scheme:



ACCN:	NM_001005333
ORF Size:	2502 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).

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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_001005333.2
RefSeq Size:	2928 bp
RefSeq ORF:	2505 bp
Locus ID:	9500
UniProt ID:	Q9Y5V3
Cytogenetics:	Xp11.22
Protein Families:	Druggable Genome
Protein Pathways:	Neurotrophin signaling pathway
MW:	92 kDa
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]

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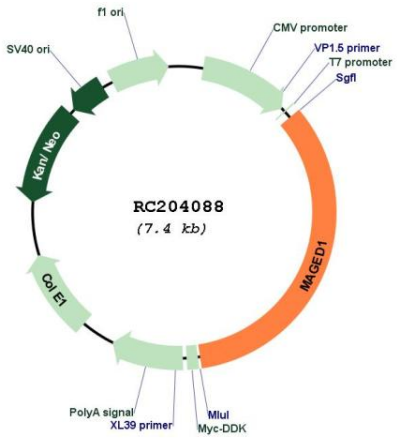
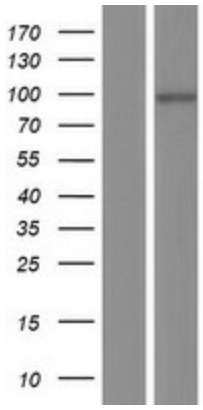
Product images:



Circular map for RC204088



Western blot validation of overexpression lysate (Cat# [LY423859]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204088 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

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