

Product datasheet for **RC220014**

MAGED4B (NM_177537) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGED4B (NM_177537) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGED4B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC220014 representing NM_177537
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGAGGGAAGCTTCAGCGTCAATCGGAAAGCTACAGTGTGAAGACATGGATGAGGGTAGCGACG
AAGTCGGGGAGGAAGAGATGGTTGAAGGCAACGACTATGAAGAATTCGGTGCCTTTGGTGGCTATGGCAC
CCTCACCAGCTTTGACATCCATATCCTCAGAGCCTTCGGAAGCTTGGGTCCAGGCCTTCGCATCTTATCG
AATGAGCCCTGGGAACTGGAAAACCTGTGCTGGCCAGACCCTGGTGGAGGCATTGCAGCTGGATCCGG
AAACACTTGCCAATGAGACGGCCCGCTGCTGCCAACGTAGCCCGCCGCGCCCTCAACCGTGCGGC
TCGGGCCGCTGCCCGCTGCCCGTACCGCCTCAGTCAGGTGGTCGCTAGCCACCGGTGGCCACGCCG
CAGGTCTCAGGAGAGGATACCCAGCCACGACCTACGCCCGGAGGCTCAGGGGCCACCCCTGAGCCAC
CCCTTGCTTCTCCGACAGCTCCAGATGTTAGTCACCAGTAAGATGGCTGCCCCGAGGCTCCGGCAAC
CTCCGCACAGTCCAGACAGGCTCCCCGCCAGGAGGCTGCTACTGAGGGCCCTAGTAGCCCTGTGCT
TTCTCTCAGGCTCCGTGTGCCAGGGAGGTGGACGCCAACCGGCCAGCACAGCCTTCTGGGCCAGAATG
ATGCTTTCGATTTCACTCAGCCGCGAGGTGTCAGTGGCATGGCCTTCCCCGCCCAAGAGACCTGCCCC
AGCCCAAGAGGCTGCCACAGAGGGCCCCAGTGTGCTCTGGTGTGCCCCAGACGGGACCTGGCAGGGAG
GTGGCAGCCACCCGGCCCAAGACCACCAAGTCGGGGAAGGCGCTGGCCAAGACTCGTGGGTGGAGCCTC
AGAATGTTGTGGCAGCAGCTGCTGCCAAGGCCAAGATGGCCACGAGCATCCCTGAGCCGGAGGGTGCAGC
TGCTGCCACTGCTCAGCAGTGTGAGCCCTGGGCCAGGATGGGAGGCAAGAGGACCAAGAAGTCCAAG
CACCTGGATGATGAGTATGAGAGCAGCGAGGAGGAGAGAGACTCCCGCGTCCACCCACCTGGAGAG
CATCACAGCCCTCATTGACGGTGGGGCTCAGTTGGCCCTCGGCCCGATGGCCCCGAGTCCAGAT
ACCCTCAAGGCAGTACTGTGCCTGCCCGCCGCAACGTGACCCTTCTGCAGGAGAGGGCAAATAAGTTG
GTGAAATACCTGATGATTAAGGACTACAAGAAGATCCCATCAAGCGCGCAGACATGCTGAAGGATGTCA
TCAGAGAATATGATGAACATTTCCCTGAGATCATTGAACGAGCAACGTACACCCTGGAAAAGAAGTTTGG
GATCCACCTGAAGGAGATCGACAAGGAAGAACACCTGTATATTCTTGCTGCACACGGGACTCCTCAGCT
CGCCTCCTTGAAAAACCAAGGACTCCAGGCTGAGTCTCCTTGGTATTCTGGGCGTCATCTTCA
TGAATGGCAACCGTGCCAGCGAGGCTGTCCTCTGGGAGGCACTACGCAAGATGGGACTGCGCCCTGGGT
GAGGCACCCATTCTCGCGATCTGAGGAAGCTCATCACAGATGACTTTGTGAAGCAGAAGTACCTGGAA
TACAAGAAGATCCCAACAGCAACCCACCTGAGTATGAATTCCTCTGGGCTGCGAGCCCGCCATGAGA
CCAGCAAGATGAGGGTCTGAGATTCATCGCCAGAAATCAGAACCAGACCCCGGGAATGGAAGGCTCA
TTTCTTGAGGCTGTGGATGATGCTTCAAGACAATGGATGTGGATATGGCCGAGGAACATGCCAGGGCC
CAGATGAGGGCCAGATGAATATCGGGGATGAAGCGCTGATTGGACGGTGGAGCTGGGATGACATAACAAG
TCGAGCTCCTGACCTGGGATGAGGACGGAGATTTGGCGATGCCTGGGCCAGGATCCCTTTGCTTCTG
GGCCAGATACCATCAGTACATTCTGAATAGCAACCGTGCCAACAGGAGGGCCACGTGGAGAGCTGGCGTC
AGCAGTGGCACCATGGAGGGGCCAGCACCAGCGTCTAGATGGCCCCAGCACCAGCTCCACCATCCGGA
CCAGAAATGCTGCCAGAGCTGGCGCCAGCTTCTTCTCTGGATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RC220014 representing NM_177537
Red=Cloning site Green=Tags(s)

MAEGSFSVQSESYVEDMDEGSDEVEGEEEMVEGNDYEEFGAFGGYGLTTSFDIHILRAFGSLGPGLRILS
 NEPWELNPVLAQTLVEALQLDPETLANETAARAANVARAAAASNRAAAAAAARTAFSQVVASHRVATP
 QVSGEDTQPTTYAAEAQGPTEPPLASQTSQMLVTSKMAAPEAPATSAQSQTGSPAQEAATEGPSSACA
 FSQAPCAREVDANRPSTAFLLGQNDVDFDTQPAGVSGMAFPRPKRPAPAQEAATEGPPSAASGVPQTGP
 GREVAATRPKTTKSGKALAKTRWVEPQNVVAAAAAKAKMATSIPEPEGAAAATAQHSAPWARMGGKRTKSK
 HLDDEYESSEEREETPAVPPTWRASQPSLTVRAQLAPRPPMAPRSQIPSRHVLCLPPRNVTLQERANKL
 VKYLMIKDYKKIPIKRADMLKDVIREYDEHFPEIIERATYTLKFKGIHLKEIDKEEHLVILVCTR
 DSSARLLGKTKDTPRLSLLLVILGVIFMNGNRASEAVLWEALRKMGLRPGVRHPFLGDLRKLITDDFV
 KQKYLEYKKIPNSNPPEYEFWGLRARHETSKMRVLRFIAQNQRDPREWKAHFLEAVDDAFKTM
 DVDMAEEHARQMRAQMNIQDEALIGRWSWDDIQVELL TWEDGDGFDGAWARIPFAFWARYHQYILNS
 NRANRRATWRAGVSSGTNGGASTSVLDGPSTSSITRTRNAARAGASFFSWIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177537

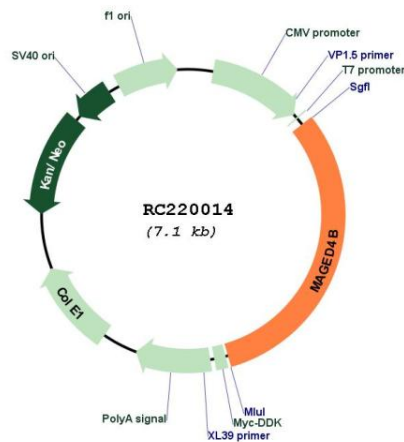
ORF Size: 2217 bp

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:	<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_177537.2</u> , <u>NP_803881.1</u>
RefSeq Size:	2600 bp
RefSeq ORF:	2220 bp
Locus ID:	81557
UniProt ID:	<u>Q96JG8</u>
Cytogenetics:	Xp11.22
MW:	81.1 kDa
Gene Summary:	This gene is a member of the MAGED gene family. It is expressed only in brain and ovary, and some transcript variants of this gene are specifically expressed in glioma cells. This gene is clustered with other MAGED genes on chromosome Xp11. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2011]

Product images:



Circular map for RC220014