

Product datasheet for **SC107031**

MAGED4B (NM_177535) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGED4B (NM_177535) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGED4B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_177535, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGAGGGAAGCTTCAGCGTGAATCGGAAAGCTACAGTGTTGAAGACATGGATGAGGGTAGCGACG
AAGTCGGGGAGGAAGAGATGGTTGAAGGCAACGACTATGAAGAATTCGGTGCCTTTGGTGGCTATGGCAC
CCTCACCAGCTTTGACATCCATATCCTCAGAGCCTTCGGAAGCTTGGGTCCAGGCCTTCGCATCTTATCG
AATGAGCCCTGGGAAGTGGAAAACCTGTGCTGGCCAGACCCTGGTGGAGGCATTGCAGCTGGATCCGG
AAACACTTGCCAATGAGACGGCCGCCGTGCTGCCAACGTAGCCCGCGCCGCCCTCCAACCGTGGCGC
TCGGGCCGCTGCCGCCGTGCCGTACCGCTTACGTAGGTGGTGGCTAGCCACCGGGTGGCCACGCCG
CAGGTCTCAGGAGAGGATACCCAGCCACGACCTACGCCGCCGAGGCTCAGGGGCCACCCCTGAGCCAC
CCCTTGCTTCTCCGACAGCTCCAGATGTTAGTACCAGTAAGATGGCTGCCCCGAGGCTCCGGCAAC
CTCCGACAGTCCAGACAGGCTCCCGGCCAGGAGGCTGCTACTGAGGGCCCTAGTAGCGCTGTGCT
TTCTCTCAGGCTCCGTGTGCCAGGGAGGTGGACGCCAACCGGCCAGCACAGCCTTCTGGGCCAGAATG
ATGTCTTCGATTTCACTCAGCCGGCAGGTGTAGTGGCATGGCCTTCCCGGCCCAAGAGACCTGCCCC
AGCCCAAGAGGCTGCCACAGAGGGCCCCAGTGTGCCTCTGGTGTGCCACAGCGGACCTGGCAGGGAG
GTGGCAGCCACCCGGCCCAAGACCACCAAGTCGGGGAAGGCGCTGGCCAAGACTCGGTGGGTGGAGCCTC
AGAATGTTGTGGCAGCAGCTGCTGCCAAGGCCAAGATGGCCACGAGCATCCCTGAGCCGGAGGGTGCAGC
TGCTGCCACTGCTCAGCAGAGTGTGAGCCCTGGGCCAGGATGGGAGGCAAGAGGACCAAGAAGTCCAAG
CACCTGGATGATGAGTATGAGAGCAGCGAGGAGGAGAGAGAGACTCCCGCGTCCACCCACCTGGAGAG
CATCACAGCCCTCATTGACGGTGCGGGCTCAGTTGGCCCTCGGCCCCGATGGCCCCGAGGTCCAGAT
ACCCTCAAGGCACGTACTGTGCTGCCCCCGCAACGTGACCTTCTGCAGGAGAGGGCAAATAAGTTG
GTGAAATACCTGATGATTAAGGACTACAAGAAGATCCCCATCAAGCGCGCAGACATGCTGAAGGATGTCA
TCAGAGAATATGATGAACATTTCCCTGAGATCATTGAACGAGCAACGTACACCCTGGAAAAGAAGTTTGG
GATCCACCTGAAGGAGATCGACAAGGAAGAACCTGTATATTCTTGTCTGCACACGGGACTCCTCAGCT
CGCCTCCTTGAAAAACCAAGGACACTCCAGGCTGAGTCTCCTCTTGGTGATTCTGGGCGTCATCTTCA
TGAATGGCAACCGTGCCAGCGAGGCTGTCTCTGGGAGGCACTACGCAAGATGGGACTGCGCCCTGGGGT
GAGGCACCCATTCTCGGCGATCTGAGGAAGCTCATCACAGATGACTTTGTGAAGCAGAAGTACCTGGAA
TACAAGAAGATCCCCAACAGCAACCCACCTGAGTATGAATTCCTCTGGGGCTGCGAGCCCGCCATGAGA
CCAGCAAGATGAGGGTCTGAGATTATCGCCAGAAATCAGAACCAGACCCCGGAATGGAAGGCTCA
TTTCTTGAGGCTGTGGATGATGCTTTCAAGACAATGGATGTGGATATGGCCGAGGAACATGCCAGGGCC
CAGATGAGGGCCAGATGAATATCGGGGATGAAGCGCTGATTGGACGGTGGAGCTGGGATGACATACAAG
TCGAGCTCCTGACCTGGGATGAGGACGGAGATTTTGGCGATGCCTGGGCCAGGATCCCCCTTGTCTTCTG
GGCCAGATACCATCAGTACATTCTGAATAGCAACCGTGCCAACAGGAGGGCCACGTGGAGAGCTGGCGTC
AGCAGTGGCACCAATGGAGGGGCCAGCACCAGCGTCCTAGATGGCCCCAGCACCAGCTCCACCATCCGGA
CCAGAAATGCTGCCAGAGCTGGCGCCAGCTTCTCTCTGGATCCAGCACCGTTGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_177535 unedited <pre>CGACTCACTATAGGGCGGCCGCGAATTCGCACGAGGTGAGGACGGACGCCATTGGAGTTC CCGAGAAGCTGAGCTCTCATCTCCCTGGGACCCGAGCATGGCTGAGGGAAGCTTCAGCG TGCAATCGGAAAGCTACAGTGTTGAAGACATGGATGAGGGTAGCGACGAAGTCGGGGAGG AAGAGATGGTTGAAGGCAACGACTATGAAGAATTCGGTGCGTTTGGTGGCTATGGCACCC TCACCAGCTTTGACATCCATATCCTCAGAGCCTTCGGAAGCTTGGGTCCAGGCCTTCGCA TCTTATCGAATGAGCCCTGGGAACCTGGAACCCCTGTGCTGGCCAGACCCTGGTGGAGG CATTGCAGCTGGATCCGGAACACTTGCCAATGAGACGGCCGCCGTGCTGCCAACGTAG CCCGCGCCGCGCCTCCAACCGTGCGGCTCGGGCCGCTGCCGCCGCTGCCCGTACCGCCT TCAGTCAGGTGGTCGCTAGCCACCGGTGGCCACGCCGAGGTCTCAGGAGAGGATACCC AGCCCACGACCTACGCCGCCGAGGCTCAGGGGCCACCCCTGAGCCACCCCTTGCTTCTC CGCAGACCTCCAGATGTTAGTCACCACTAAGATGGCTGCCCCNGAGCTCCGGCAACCT CCGCACAGTCCCAGACAGGCTCCCCGGCCAGGAGGCTTGCTACTGAGGGCCCTAGTAGC GCCTGTGCTTCTCTCAGTTCTGTGGCAAAGGGGAGGTGGACGCCAACCGCCACACAGC CTTCCTGGCCANAATGATGTCTTCGATTACTCNCGGAAGGGTGTCACTGGCATGCNCT TNC CGCGCCNAGAGACTGNCCAGNCCAGAGCTGCACAGAGGGGCCATGCTTCTCTTTGG GTGCCCCAACGACTGNNGGGGGGAAGGGGCANACCCGCCAGACACGTTGGGGGAAGGCT GCA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_177535
Insert Size:	2500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_177535.1</u> , <u>NP_803879.1</u>
RefSeq Size:	2573 bp
RefSeq ORF:	2226 bp
Locus ID:	81557
UniProt ID:	<u>Q96JG8</u>
Cytogenetics:	Xp11.22

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]

Transcript Variant: This variant (2, also known as MAGE-E1a) has a slightly shorter 5' UTR compared to variant 1, as a result of using an alternate acceptor splice site at the 2nd exon. Variants 1 and 2 encode the same isoform (1).