

Product datasheet for **SC115762**

MAGED1 (NM_006986) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAGED1 (NM_006986) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAGED1
Synonyms:	DLXIN-1; NRAGE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC115762 sequence for NM_006986 edited (data generated by NextGen Sequencing)

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ATGGCTCAGAAAATGGACTGTGGTGCGGGCTCCTCGGCTTCCAGGCTGAGGCCTCCGTA
GAAGACAGCGCCTTGCTTATGCAGACCTTGATGGAGGCCATCCAGATCTCAGAGGCTCCA
CCTACTAACCAGGCCACCGCAGCTGCTAGTCCCAGAGTTCACAGCCCCAACTGCCAAT
GAGATGGCTGACATTCAGGTTTCAGCAGCTGCCGCTAGGCCTAAGTCAGCCTTTAAAGTC
CAGAATGCCACCACAAAAGGCCCAAATGGTGTCTATGATTTCTCTCAGGCTCATAATGCC
AAGGATGTGCCAACACGCAGCCCAAGGCAGCCTTTAAGTCCCAAATGCTACCCCAAAG
GGTCCAAATGCTGCCTATGATTTTTCCAGGCAGCAACCACTGGTGAGTTAGCTGCTAAC
AAGTCTGAGATGGCCTTCAAGGCCAGAATGCCACTACTAAAGTGGGCCCAAATGCCACC
TACAATTTCTCTCAGTCTCTCAATGCCAATGACCTGGCCAAACAGCAGGCCTAAGACCCCT
TTCAAGGCTTGGAAATGATACCACTAAGGCCCAACAGCTGATACCCAGACCCAGAATGTA
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CGGACAATAATTGGGGCAAGAGGACCCGCAAGATTAATAACTTGAATGTTGAAGAGAAC
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GTCCTCTGGGAGGCACTACGCAAGATGGGACTGCGTCCTGGGGTGAGACATCCCTCCTT
GGAGATCTAAGGAACTTCTCACCTATGAGTTTGTAAAGCAGAAATACCTGGACTACAGA
CGAGTGCCCAACAGCAACCCCGGAGTATGAGTTCTCTGGGGCTCCGTTCTACCAT
GAGACTAGCAAGATGAAAGTGTGAGATTCATTGCAGAGGTTCCAGAAAAGAGACCCTCGT
GACTGGACTGCACAGTTCATGGAGGCTGCAGATGAGGCCCTGGATGCTCTGGATGCTGCT
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GTGTCTGGGCCCTGGAGCTGGGATGACATTGAGTTTGGAGTCTGACCTGGGATGAGGAA
GGAGATTTTGGAGATCCCTGGTCCAGAATTCATTTACCTTCTGGGCCAGATACCACAG
AATGCCCGCTCCAGATCCCTCAGACCTTTGCCGGTCCCATTATTGGTCTGGTGGTACA
GCCAGTGCCAACTTCGCTGCCAACTTTGGTGCCATTGGTTTCTCTGGGTTGAGTGA
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Clone variation with respect to NM_006986.3

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006986 unedited</p> <p>TGTACGAATTTTGTNATACGACTCACTTATAGGGCGGCCGCAATTCGCACGAGGGGAGA GAGTGGCGCTGCTGAGAGCCGAGCCCAGCAATCCCAGATCCTCTGAGTCGTGAAGAAGGGA GGCAGCGAGGGGTTGGGGTTGGGGCTGAGGCAAGCCCCAGGCTCCGCTTTGCCAGA GGGACAGGAGCCATGGCTCAGAAATGGACTGTGGTGGGGCCTCCTCGGCTTCCAGGCT GAGGCCTCCGTAGAAGACAGCGCCTTGTATGCAGACCTTGATGGAGGCCATCCAGATC TCAGAGGCTCCACTACTAACCAGGCCACCGCAGCTGCTAGTCCCAGAGTTCACAGCCC CCAACTGCCAATGAGATGGCTGACATTCAGGTTTCAGCAGCTGCCGCTAGGCCTAAGTCA GCCTTTAAAGTCCAGAATGCCACCACAAAAGGCCCAAATGGTGTCTATGATTTCTCTCAG GCTCATAATGCCAAGGATGTGCCAACACGCAGCCCAAGGCAGCCTTTAAGTCCCAAAAT GCTACCCCAAAGGTCCAAATGCTGCCTATGATTTTTCCAGGCAGCAACCACTGGTGAG TTAGCTGCTAACAAAGTCTGAGATGGCCTCAAGGCCCAGAATGCCACTACTAAAGTGGGC CCAAATGCCACCTACAATTTCTCTCAGTCTCTCAATGCCAATGACCCTGCCAACAGCAGG CCTAAGACCCCTTTCAGGCTTGGATGATACCACTAAGGCCCCACAGCTGATACCCAGA CCCAGAATGGTAATCAGGCCANAATGGCCACTTCCCAGCTGACATAGAGACCGACCCAC GTATCTCTGCCCCGGGACCGTGCCACTGCACAGACCTCAGCAGAATGGGTCCCAGGCTCA AATTCTGGAGTCCCGGCACATTATTCGGGCC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006986 unedited</p> <p>AAGCTTGGACCCGCGCCGCATNCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTT TTTCACTTTGAATTTCAATGTTATTTTCTGATACCAAACTTGACAGCACACAAGGGGA AAAAAAGCAGTAAACAAGGAACAGCAAATAAATTTATCTTGATGCCACTTTCAGTCAA CAGGATGGGGCTCTAAATAGCTGGGTTAAAAGGAATCTGAGGCTTACGCCTCACACA GGGAAAAGACTACTGCGATTGATAGCAATATCCAACATCTCACTCAACCCAAAAAAAAC CAATGGCACCAAAGTTGGCAGCGAAGTTGGCACTGGTGTACCACCAGGACCAATAATGG GACCGGCAAAGGTCTGAGGGAATCTGGAGCGGGCATTCTGGGGTATCTGGCCAAAAGG TAAATGGAATTTGGACCAGGGATCTCCAAAATCTCCTTCTCATCCAGGTCAGCAGCT CAAACCTCAATGTCATCCAGCTCCAGGGCCAAACACAGCCTCATCTCCAATCCCATGC GGGTTCTTGCTCAGCCGGGCTTGGCCTCAGCTGCAGCAGCATCCAAAGCATCCAAGG CCTCATCTGCAGCCTCCATGAACGTGTGCAGTCCAGTACGAGGGTCTCTTTCTGAACCT CTGCAATGAATCTCAGCACTTTCATCTTGTAGTCTCATGGAAGGAACGGAGGCCCCAGA GGAACCTATACTCCGGGGGTTGCTGTTGGCACTCGTCTGTAGTCCAGGTATTTCTGCT TTACAACCTCATAGGTGAGAAAGTTCCTTAGATCTCCAAGGAGGGGATGTCTACCCCCAGA ACGCAGTCCCATCTTGCAGTGCCTCCAGAGCACACCTNACTGGCACGGTTGCCATTC ATGAGATGACACCCANATCCACCAGAGAGACCGGCTGGNNTTGCCTTTGGTCTGCCANA TGCAGCCAGGACTCGGTTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006986
Insert Size:	2800 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:	<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:	NM_006986.3 , NP_008917.3
RefSeq Size:	2760 bp
RefSeq ORF:	2337 bp
Locus ID:	9500
UniProt ID:	Q9Y5V3
Cytogenetics:	Xp11.22
Domains:	MAGE
Protein Families:	Druggable Genome
Protein Pathways:	Neurotrophin signaling pathway
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame coding exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 2 and 3 both encode isoform b.</p>