

Product datasheet for **SC125774**

MAGEE1 (NM_020932) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAGEE1 (NM_020932) Human Untagged Clone
Tag: Tag Free
Symbol: MAGEE1
Synonyms: DAMAGE; HCA1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_020932 edited
TTCAGCAGTTGCTTGAACCTTTGGTTCTGGCAGCAGCAGCAACATCATTACCGCTAGCGG
CAGTTTTGTGCCGAGGCACCTACACACCTCCCGTCCCTCTCGCCAGATCGCGGGCCTGTC
GGTGTCTGCTCCTACACGCCAACGCCGGTGGGCAGGACCATGTCTCTGGTAAGCCAGAAT
TCGCGCCGCCCGCCGCGCGTGTGCAAAGGCTACTGCGCACAACAGCAGCTGGGGCGAA
ATGCAAGGCCCTAATGCCCCCGGTCTCCCGCTGATGTGCCAGGCTCAGACGTCCCCAG
GGTCCCAGCGATTCCCAGATCCTCCAGGGCCTCTGCGCCTCTGAGGGCCCAAGCACCTCC
GTTCTGCCACCTCCGCTGAGGGCCCCAGCACCTTTGTGCCGCCACCATCTCTGAGGCC
TCAAGCGCTCCGGCAGCCACCATCTCTGAGGGACCTGGCACCTCCGTGCTGCCACC
CCCAGTGAGGGCCTAAGCACCTCCGGCCTCCACCATCTCTAAGGGCTGTGCACCTCT
GTGACGCTTGCCGCTCTGAGGGCCGGAACACCTCCAGGCCGCCACTTCTCTGAGGAA
CCTAGCACCTCCGTGCCGCCACCAGCCTCTGAGGTACCGAGCACCTCCCTGCCGCCACC
CCTGGTGAGGGAACGAGCACCTCCGTGCCGCCACAGCCTATGAGGGACCAAGCACCTCC
GTGGTGCCACCCTGATGAGGGACCAAGCACCTCCGTGCTGCCTACACCTGGTGAGGGA
CCAGGCACCTCCGTGCCGCTCGCCGCCACTGAGGGCCTGAGCACCTCCGTGCAGGCCACT
CCTGATGAGGGACCGAGCACCTCCGTGCCGCCACCGCCACTGAGGGCCTAAGCACCCCC
GTGCCACCACCCTGATGAGGGACCGAGCACCTCCGTGCCGCCACCCTGAGGGCCTGAGGGA
CCGAGCACCTCCGTGCTGCCGCCGCTCTGACGGACAAAGCATCTCTTGGTGCCACC
CGCGTAAGGGATCAAGCACCTCCGTGCCGCCACCGCCACCAGGGCCTGAGCACCTCC
GTGACGCCACTGCTGGTGAGGATCGAGCACCTCCGTGCCGCCACCCTGGTGAGGGA
CTGAGCACCTCCGTGCCGCCACCGCCACTGAGGACTTGAACACCTCCGTGCCGCCACT
CCCAGTGAGGGACCAAGCACCTCCGTACTGCAATCCCAGGTGAGGGACTGAGCACCTCT
GTGCCGCCACCCTCTGATGGATCGGACACCTCCGTGCCGCCACCCTGGTGAGGGC
GCAAGCACCTTAGTGAGCCACCGCCCTGACGGACCGGAAGCTCCGTGCTGCCTAAC
CCTGGTGAGGGCCGAGCACATTGTTAGCTCTAGTGCTTCTGTGGACCGGAACCCCTCC
AAGTGTCCCTTGTTCCTGCAAGCCCTAGGTAACCAAGGCCTCCGTGGACTCAGATTCT
GAGGGTCTAAGGGTGCAGAAGGCCCTATAGAATTCGAGGTCCTGAGAGACTGTGAGAGC



[View online »](#)

```

CCCAACTCCATTAGTATTATGGGCCTCAATACTTCCC GGTTGCAATTACCCTGAAGCCC
CAAGACCCATGGAACAGAACGTAGCTGAGCTGTTGCAGTTCTGCTGGTGAAGGATCAG
AGCAAGTACCCTATCCGGGAGTCTGAAATGCGGGAATATATTGTTAAAGAATATCGCAAC
CAGTTTCTGAGATACTCAGGCGAGCAGCAGCCACCTGGAGTGCATTTTTAGGTTTGAA
TTGAGAGAACTTGACCCTGAGGCACACCTACATTCTGTTAAACAACTGGGACCTGTG
CCCTTTGAAGGGTTAGAAGAGAGCCCAAATGGGCCAAAGATGGGCCTCCTGATGATGATT
CTAGGCCAAATATTCTGAATGGCAACCAAGCAAGGAGGCTGAGATTTGGGAAATGCTC
TGGAGGATGGGGTGCAGCGGAAAGGAGGCTTCCATTTTTGGGAACCCAAAGAGACTT
CTGTCTGTGGAGTTGTATGGCAGCGTACTTAGACTACAGGCCAGTAACTGACTGTAAA
CCAGTGGAGTATGAGTTTTCTGGGGCCCAAGATCCCACCTAGAAAACCACCAAGATGAAA
ATTCTGAAGTTCATGGCGAAAATATAAACAAGATCCTATGGATTGGCCAGAGAAATAC
AACGAAGCTCTGGAAGAAGATGCTGCCAGAGCCTTTGCTGAGGGTTGGCAGGCTCCTCCT
CACTTTAGGAGGCCCTTTTTGAGGAAGCTGCTGCAGAGTACCATCCCCTGATTCAGAG
GTTTCCAGCTATTCTCAAATATGCCCCACATTCATGGCCTGAGTCAAGATTGGAGAGC
AAGGCAAGGAAGCTGGTGCAGTTATTTCTGCTTATGGATTCAACTAAGCTGCCTATACCA
AAGAAAGGAATTCTGACTACATTGGCCGAGAGTGCAGCAAAGTGTCCCTGACCTCCTG
AATCGTGTGCCCGCACCTGAACCATGTCTATGGGACAGAACTAGTGGTACTTGATCCC
AGGAATCACTCCTATACTCTGTACAACCGAAGGGAGATGGAAGAACTGAGGAGATCGTA
GACAGTCCAAACAGGCCTGGCAACAACCTTTTTGATGCAGGTCCTAAGCTTCATCTTTATT
ATGGGCAACCATGCCAGGGAGTCTGCAGTCTGGGCCTTTCTGCGGGGCTTAGGGGTTCAA
GCTGGGAGAAAGCATGTGATTACCTGCAGATACTTGAGTCAGCGCTATATAGACAGTTTA
CGGGTTCTGACAGTGTCCAGTGCAATATGAGTTTGTATGGGGTCTAGAGCCCGTTTG
GAAACCTAAGATGAAAGCCTTGCAGATATGTGGCCAGAATCCACAGAAAGGAACACAG
GACTGGCCACAGCAGTACAGGGAGGCAATGGAAGATGAGGCCAATAGAGCTGATGTTGGG
CACAGGCAAATCTTTGTTCACACTTCAGGTAGAGGAATGCATGGCAGTACAGAGGGCCT
TGCAAGGAGGGGCTTTGAGCCTCAGTTCTCATGTATTGGGGGTGGGGTGGGTACATA
TTGTATTTGGTATTTGTGTTCCAGTTATATTTATGTCTTTTCATATTTAGTTCTGGTGTG
GTGTCTGGAAATGTTTCAACTGTTTTAATATATTGTCTGATTGGGTAAATGTGATTGACC
ACTTGCTGTCTGTTGATTTTGGTATGAGTTTTGATAGCTCTATAAAATGTTTTGGAA
ATCTTTCCATCTGTTGCATTATCTAGAAAAGAATATAGCATATAGCTATAGATATAGGC
TTTTCTTGAAAGCTTGAAAAAATTCGCCAGTAAAATAATCTAGCTTAAAGTGATAAAC
TAACAAACAAATATAACAACAACCTGAAAAGGCACTCTAAATTGTGGCTGGCTTCCCTTTC
TGCTGTCTATTGTATGAAGAATACTGATGTTTACCTGTATTTGCTTTGCTGTACTAAAAT
GTAATGAAAAATAAAGATTAATAAATGAAACATAATGCTAAAAAAAAAAAAAAAAA

```

5' Read Nucleotide Sequence:

```

>OriGene 5' read for NM_020932 unedited
AGTCAAAATTGTAACACTCATATAGGCGGCCGCGNATTCAAATCTGGTACCGGTCGGGA
ATTCGCCGGATATCGTCGACCCACGCGTCCGTTACAGCAGTTGCTTGGAACTTTGGTTCTG
GCAGCAGCAGCAACATCATTACCGCTAGCGGCAGTTTTGTGCCGAGGCACCTACACACCT
CCCGTCTCTCTGCCAGATCGCGGGCCTGTCCGGTGTCTGCTCCTACACGCCAACGCCGGT
GGGCAGGACCATGTCTCTGGTAAGCCAGAATTCGCGCCGCGCCGCCGCGCTTGCAAA
GGCTACTGCGCACAAACAGCAGCTGGGGCGAAATGCAGGCCCTAATGCCCCCGTCTCCC
CGCTGATGTGCCAGGCTCAGACGTCCCCAGGGTCCCAGCGATTCCCAGATCCTCCAGGG
CCTCTGCGCCTCTGAGGGCCCAAGCACCTCCGTTCTGCCACCTCCGCTGAGGGCCCCAG
CACCTTTGTGCCGCCACCATCTCTGAGGCCTCAAGCGCCTCCGGGCAGCCACCATCTC
TGAGGGACCTGGCACCTCCGTGCTGCCACCCCAAGGAGGCTAAGCACCTCCGGGCC
TCCCACCATCTCTAAGGGGCTGTGCACCTCTGTGACGCTTGCCCGCTCTGAAGGCCGAA
CACCTCCAGGCCGCCACTTCTCTGAGGAACCTAGCACCTCCGTGCCGNCCACCGNCTC
TGAAGTACCGAGCACCTCCCTGCCGCCAACCTGGTGGGGAACGAGCACCTCCGTGCC
GNCCACAGCCTATGAGGGACCAAGCACCTNCGTGGTGCCACCCCTGATGAGGGACCAAG
CACTCCGTGCTGCCTACAACCTGTGAGGGACAGGCACCTCCA

```

Restriction Sites:

NotI-NotI

ACCN:	NM_020932
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_020932.1 , NP_065983.1
RefSeq Size:	3628 bp
RefSeq ORF:	2874 bp
Locus ID:	57692
UniProt ID:	Q9HCI5
Cytogenetics:	Xq13.3
Gene Summary:	This gene encodes an alpha-dystrobrevin-associated MAGE (melanoma-associated antigen) protein, which is a member of the MAGE family. The protein contains a nuclear localization signal in the N-terminus, 30 12-amino acid repeats beginning at nt 60 with the consensus sequence ASEGPSTSVLPT, and two MAGE domains in the C-terminus. It may play a signaling role in brain, muscle, and peripheral nerve. This gene is located on X chromosome in a region containing loci linked to cognitive disability. [provided by RefSeq, Mar 2010]