

## Product datasheet for **RC208544**

### **MAGEE1 (NM\_020932) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MAGEE1 (NM_020932) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAGEE1
Synonyms:	DAMAGE; HCA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC208544 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTCTGGTAAGCCAGAATTCGCGCCGCCGCCGCCCGCTTGC AAAGGCTACTGCGCACAAACAGCA  
 GCTGGGGCGAAATGCAGGCCCTAATGCCCCCGTCTCCCGCTGATGTGCCAGGCTCAGACGTCCCCCA  
 GGGTCCCAGCGATTCCCAGATCCTCCAGGGCTCTGCGCCTCTGAGGGCCCAAGCACCTCCGTTCTGCC  
 ACCTCCGCTGAGGGCCCCAGCACCTTTGTGCCGCCACCATCTCTGAGGCCTCAAGCGCCTCCGGGAGC  
 CCACCATCTCTGAGGGACCTGGCACCTCCGTGCTGCCACCCCAAGTGGGGCTAAGCACCTCCGGGCC  
 TCCCACCATCTCTAAGGGGCTGTGCACCTCTGTGACGCTTGCCGCTCTGAGGGCCGGAACACCTCCAGG  
 CCGCCACTTCTCTGAGGAACCTAGCACCTCCGTGCCGCCACCGCCTCTGAGGTACCGAGCACCTCCC  
 TGCCGCCACCCCTGGTGGGAACGAGCACCTCCGTGCCGCCACAGCCTATGAGGGACCAAGCACCTC  
 CGTGGTGCCACCCCTGATGAGGGACCAAGCACCTCCGTGCTGCCTACACCTGGTGGGGACCGAGCACC  
 TCCGTGCCGCTCGCCGCACTGAGGGCTGAGCACCTCCGTGCAGGCCACTCCTGATGAGGGACCGAGCA  
 CCTCCGTGCCGCCACCGCCACTGAGGGCTAAGCACCCCGTGCCACCCACCCGTGATGAGGGACCGAG  
 CACCTCCGTGCCGGCCACTCCTGGTGGGGACCGAGCACCTCCGTGCTGCCGCCGCTCTGACGGACAA  
 AGCATCTCCTTGGTGCCACCCGCGTAAGGGATCAAGCACCTCCGTGCCCCCAACCGCCACCGAGGGCC  
 TGAGCACCTCCGTGCAGCCACTGCTGGTGGGGATCGAGCACCTCCGTGCCGCCACCCCTGGTGGGGG  
 ACTGAGCACCTCCGTGCCGCCACCGCCACTGAGGACTGAGCACCTCCGTGCCGCCACTCCGGTGAG  
 GGACCAAGCACTCCGTACTGCCAATCCCGGTGAGGGACTGAGCACCTCTGTGCCGCCACCGCCTCTG  
 ATGGATCGGACACTCCGTGCCGCCACTCCTGGTGGGGCGCAAGCACCTTAGTGCAGGCCACCGCCCTC  
 TGACGGACCGGAAGCTCCGTGCTGCCTAACCCCTGGTGGGGCCGAGCACATTGTTAGCTCTAGTGCT  
 TCTGTGGACCGGAACCCCTCCAAGTGTTCCCTGTTTTGCCAAGCCCTAGGGTAACCAAGGCCTCCGTGG  
 ACTCAGATTCTGAGGGTCTAAGGGTGCAGAAGGCCCTATAGAATTCGAGGTCTGAGAGACTGTGAGAG  
 CCCCAACTCCATTAGTATTATGGGCTCAATACTCCCGGTTGCAATTACCCTGAAGCCCAAGACCCCT  
 ATGGAACAGAACGTAGCTGAGCTGTTGCAGTTCCTGCTGGTGAAGGATCAGAGCAAGTACCCTATCCGGG  
 AGTCTGAAATGCGGAATATATTGTTAAGAATATCGCAACCAGTTTCTGAGATACTCAGGCGAGCAGC  
 AGCCACCTGGAGTGCATTTTTAGGTTTGAATTGAGAGAATTGACCCTGAGGCACACACCTACATTCTG  
 TTAACAACAACTGGGACCTGTGCCCTTTGAAGGGTTAGAAGAGAGCCAAATGGGCCAAAGATGGGCCTCC  
 TGATGATGATTCTAGGCCAAATATTCCTGAATGGCAACCAAGCAAGGAGGCTGAGATTTGGGAAATGCT  
 CTGGAGGATGGGGTGCAGCGGAAAGGAGGCTTTCATTTTTGGGAACCCAAAGAGACTTCTGTCTGTG  
 GAGTTTGTATGGCAGCGTACTTAGACTACAGGCCAGTAACTGACTGTAAACCAGTGGAGTATGAGTTTT  
 TCTGGGGCCCAAGATCCCACCTAGAAACCACCAAGATGAAAATTCGAAGTTCATGGCGAAAATATATAA  
 CAAAGATCCTATGGATTGGCCAGAGAAATACAACGAAGCTCTGGAAGAAGATGCTGCCAGAGCCTTTGCT  
 GAGGGTTGGCAGGCTCTCCCTCACTTTAGGAGGCCCTTTTTGAGGAAGCTGCTGCAGAGGTACCATCCC  
 CTGATTCAGAGGTTTCCAGCTATTCCTCAAAATATGCCACATTCATGGCCTGAGTCAAGATTGGAGAG  
 CAAGGCAAGGAAGCTGGTGCAGTATTTCTGCTTATGGATTCAACTAAGCTGCCTATACCAAGAAAGGA  
 ATTCTGTACTACATTGGCCGAGAGTGCAGCAAAGTGTTCCCTGACCTCCTGAATCGTGTGCCCGCACCC  
 TGAACCATGTCTATGGGACAGAAGTGTGTTGATCCAGGAATCACTCCTATACTCTGTACAAACCG  
 AAGGGAGATGGAAGAACTGAGGAGATCGTAGACAGTCCAACAGGCCTGGCAACAACCTTTTTGATGCAG  
 GTCCTAAGCTTCACTTTTATTATGGGCAACCATGCCAGGGAGTCTGCAGTCTGGGCTTTCTGCGGGGCT  
 TAGGGTTCAAGCTGGGAGAAAGCATGTGATTACCTGCAGATACTTGGTGCAGGCTATATAGACAGTTT  
 ACGGGTCTGACAGTGTCCAGTGCAATATGAGTTTGTATGGGGTCTAGAGCCGTTTGGAAACCTCT  
 AAGATGAAAGCCTTGCATATGTGGCCAGAATCCACAGAAAGGAACACAGGACTGGCCACAGCAGTACA  
 GGGAGGCAATGGAAGATGAGGCCAATAGAGCTGATGTTGGGCACAGGCAATCTTTGTTCACAACTTCAG  
 G

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC208544 protein sequence  
 Red=Cloning site Green=Tags(s)

```
MSLVSQNSRRRRRVAKATAHNSSWGEMQAPNAPGLPADVPGSDVPQGPSDSQILQGLCASEGPSTSVLP
TSAEGPSTFVPPTI SEASSASGQPTISEGPGT SVLPTPSEGLSTSGPPTISKGLCTSVTLAASEGRNTRSR
PPTSSEEPSTSVPP TASEVPSTSLPPTPGEGTSTSVPP TAYEGPSTSVVPTPDEGPSTSVLPTPGEGPGT
SVPLAATEGLSTSVQATPDEGPSTSVPP TATEGLSTVPVPPTRDEGPSTSVPATPGEGPSTSVLPAASDGQ
SISLVPTRGKGSSTSVPP TATEGLSTSVQPTAGEGSSSTSVPP TPGGLSTSVPP TATEDLSTSVPP TPGE
GPSTSVLP I PGEGLSTSVPP T ASDGSDT SVPP T PGE GASTLVQPTAPDGP GSSVLP N PGE GPSTL FSSSA
SVDRNPSKCSLVLP SPRVTKASVDS DSEGPKGAEGPIEF EVL RDCESPNSISIMGLNTRSVAITLKPQDP
MEQNVAELLQFLLVKDQSKYPIRESEMREYIVKEYRNQFPEILRRAAAHLECFR FELRELDPEAHTYIL
LNKLGVPVFEGL EESPNGPKMGLLMMILGQIFLNGNQAKEAEIWEMLRMGVQRERRLSIFGNPKRLLSV
EFVWQRYLDYRPVTDCKPVEYEFFWGPRSHLETTKMKILKFM AKIYNKDPMDWPEKYNEALEEDAARAF A
EGWQALPHFRPFEEAAA E VSPDSEVSSYSSKYAPHSWPESRLESKARKLVQLFLMDSTKLP I PKKG
ILYYIGRECSKVFPDLLNRAARTLNHVYGT ELVLDPRNHSYTL YNRREMEETEEIVDSPNRP GNNFLMQ
VLSFIFIMGNHARES AVWAF LRGLGVQAGRKHVITCRYLSQRYIDSLRVPDSDPVQYEFVWGP RARLETS
KMKALRYVARIHRKEPQDWPQYREAMEDEANRADVGH RQIFVHNFR
```

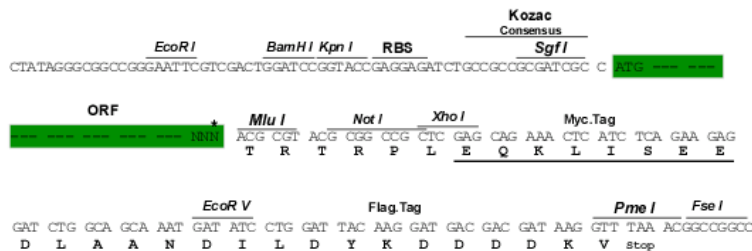
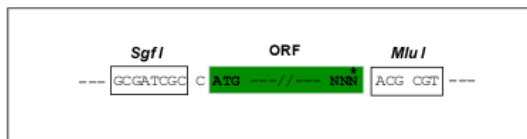
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6834\\_g08.zip](https://cdn.origene.com/chromatograms/mk6834_g08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



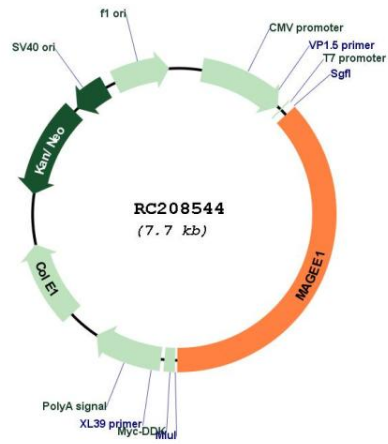
\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_020932

**ORF Size:** 2871 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_020932.3</a>
<b>RefSeq Size:</b>	3714 bp
<b>RefSeq ORF:</b>	2874 bp
<b>Locus ID:</b>	57692
<b>UniProt ID:</b>	<a href="#">Q9HCI5</a>
<b>Cytogenetics:</b>	Xq13.3
<b>MW:</b>	103.2 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC208544