

## Product datasheet for MR212157

### Magea2 (NM\_020016) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Magea2 (NM_020016) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Magea2
Synonyms:	Mage-a2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212157 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGACTCCCATAACACCCAATACTGCAGCCTCCAAGAGAGTGCTCAGGCCAACAGGAATTAGACA  
ATGACCAGGAGACCATGGAGACATCAGAGGAGGAGGAAGATACCACCACCTCAAATAAAGTGTATGGCAG  
TGGAAATACCAAGTCTCCAGAGTCTCAGAGAGCCTACTCTCCCTGTGTGGCACTGGCCTCCATCCCT  
GATAGCCCATCTGAGGAAGCTTCCATCAAAGGATCAGGGGGCCTGGAAGACCCACTTTATTTGTTGCACA  
ATGCACAGAACACAAAGGTGTATGACTTGGTGGACTTTCTGGTTTTAACTATCAAATGAAGGCATTAC  
TACCAAAGCAGAAATGTTGGAAAGTATTGGTAGAGAGTATGAGGAGTACTACCCTCTGATCTTTAGTGAG  
GCCTCTGAGTGCTTGAAGATGGTCTTTGGCCTTGACATGGTAGAAGTGGACCCCTCTGTCCACTCCTATA  
TCCTTGTCACTGCCCTGGGGATCACCTATGATGGCATGATGACTGATGTCTGGGTATGCCAAAGACAGG  
TATCCTCATAGCTGACTGAGTGTCAATTTTATGAAGGAAACTATGTCAGTGAGGAGATTATCTGGGAA  
ATGGTGAATAACATAGGATTGTGTGGTGGGAGGGATCCTTACATACATAAAGACCCAGGAAGCTCATCT  
CTGAGGAGTTTGTGCAGGAAGGGTGCCTGAAATACAGGCAGGTGCCCAATAGTGATCCTCCTAGCTATGG  
GTTCTGTGGGGCCAAAGGGCTTTTGCAGAAACCAGCAAAATGAAAGTCTTACAGTTTTTTGCCAGCATT  
AATAAGACTCATCCAGAGCCTACCCTGAAAAGTATGCAGAGGCTTTGCAAGATGAGATAGACAGGACCA  
AGGCCTGGATCTTGAACAGATGCTCCAACCTCCTGACCTGCTCACATTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR212157 protein sequence  
Red=Cloning site Green=Tags(s)

MADSHNTQYCSLQESAQAQQELDNDQETMETSEEEEDTTTSNKVYSGSIPSPQSPQRAYSPCVASIP  
 DSPSEEASIKGSGLEDPLYLLHNAQNTKVYDLVDFLVLNQMKAFTTKAEMLESIGREYEEYPLIFSE  
 ASECLKMVFGLDMVEVDPVSVHSYILVTALGITYDGMMDVLGMPKTGILIAVLSVIFMKGNVYSEEIWE  
 MVNNIGLCGGRDPYIHKDPRKLISEEFVQEGCLKYRQVPNSDPPSYGFLWGPRAFAETSKMKVLQFFASI  
 NKTHPRAYPEKYAEALQDEIDRTKAWILNRCNSSSDLLTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_020016

**ORF Size:** 963 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:**

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\_020016.1, NP\_064400.1

**RefSeq Size:** 1685 bp

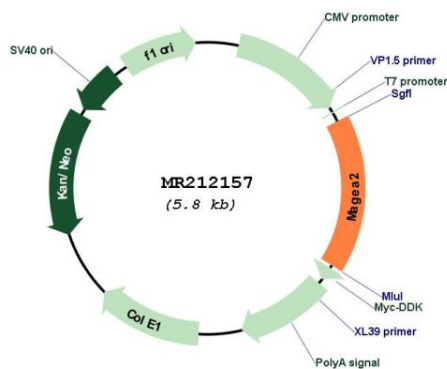
**RefSeq ORF:** 963 bp

**Locus ID:** 17138

**Cytogenetics:** X 72.38 cM

**MW:** 35.9 kDa

**Product images:**



Circular map for MR212157