

## Product datasheet for MR214766

### Magea3 (NM\_020017) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Magea3 (NM_020017) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Magea3
Synonyms:	Mage-a3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214766 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCTGATTCCCATAACACCCAATACTGCAACCTCGAAGAGAGTGCTCAGGCCAACAGGAATTAGACA  
ATGACCAGGAGACCATGGAGACATCAGAGGAGGAGGAAGATACCACCACCTCAAATAAAGTGTATGGCAG  
TGCAATACCAAGTCTCCAGAGTCTCAGAGAGCCTACTCTCCCTGTGTGGCACTGGCCTCCATCCCT  
GATAGCCCATCTGAGGAAGCTTCCATCAAAGGATCAGAGGGCCTGGAAGACCCACTTCATTTGTTGCACA  
ATGCACAGAACACAAAGGTGTATGACTTGGTGGACTTTCTGGTTTTAACTATCAAATGAAGGCATTAC  
TACCAAAGCAGAAATGTTGGAAAATATTGGTAGAGAGTATGAGGAGTACTACCCTCTGATCTTTAGTGAG  
GCCTCTGAGTGCTTGAAGATGGTCTTTGGCCTTGACATGGTAGAAGTGGACTCCTCTGTCCACACCTATA  
TGCTTGTCACTGCCCTGGGGATCACCTATGATGGCATGATGACTGATGTCCAGGGTATGCCAAAGACAGG  
TATCCTCATAGCTGACTGAGTGTCAATTTTATGAAGGAAACTATGTCAGTGAGGAGATTATCTGGGAA  
ATGCTGAATAACATAGGGTTGTGTGGTGGGAGGGATCCTTACATACATAAAGACCCAGGAAGCTCATCT  
CTGAGGAGTTTGTGCAGGAAGGGTACCTGGAATACAGGCAGGTGCCCAATAGTGATCCCCCTAGCTATGG  
GTTCTGTGGGGCCAAAGGGCTTTTGCAGAAACCAGCAAAATGAAAGTCTTACAGTCTTTGCCAGCATT  
AATAAGACTCATCCAGAGCCTACCCTGAAAAGTATGCAGAGGCTTTACAAGATGAGATAGACAGGACCA  
AGACCTGGATCTTGAACAGATGCTCCAACCTCCTGACCTACACACATT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR214766 protein sequence  
Red=Cloning site Green=Tags(s)

MADSHNTQYCNLEESAQAQQELDNDQETMETSEEEEDTTTSNKVYGS AIPSPQSPQRAYSPCVASIP  
 DSPSEEASIKGSEGLDPLHLLHNAQNTKVYDLVDFLVLYNQMKAFTTKAEMLENIGREYEEYYPLIFSE  
 ASECLKMVFGLDMVEVDSSVHTYMLVTALGITYDGMMDVQGMPTGILIAVLSVIFMKGNVYSEEIWE  
 MLNNIGLCGGRDPYIHKDPRKLI SEEFVQEGYLEYRQVPNSDPPSYGFLWGPRAFAETS KMVKLQFFASI  
 NKTHPRAYPEKYAEALQDEIDRKTWILNRCNSSSDLHTF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_020017

**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\\_020017.2](#), [NP\\_064401.2](#)

**RefSeq Size:** 1107 bp

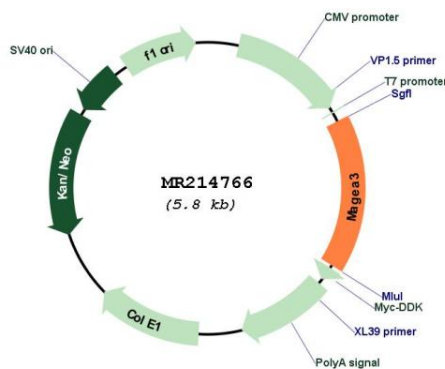
**RefSeq ORF:** 963 bp

**Locus ID:** 17139

**Cytogenetics:** X 72.38 cM

**MW:** 36.2 kDa

**Product images:**



Circular map for MR214766