

Product datasheet for MR214780

Mageb2 (NM_031171) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb2 (NM_031171) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mageb2
Synonyms:	Mage-b2; Mage-rs2; Smage2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214780 representing NM_031171 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTAGGGGTCAAAGAGTAAGACCCGCTCCCGTGCAAACGACAGCAGTCACGCAGGGAGGTTCCAG
TAGTTCAGCCCCTGCAGAGGAAGCAGGGTCTTCTCCTGTTGACCAGAGTGCTGGGTCCAGCTTCCCTGG
TGGTTCGCTCCTCAGGGTGTGAAACCCCTGGATCTTTGGTGCAGGTGTATCCTGCACAGGCTCTGGT
ATAGTGGTAGAAATGCTGCTGCCTGCCTGATACAAAAAGTTCAGATGGCACCCAGGCAGGACTTCCA
TTCAGCACACACTGAAAGATCCTATCATGAGGAAGGCTAGTGTGCTGATAGAATTCCTGCTAGATAAGTT
TAAGATGAAAGAAGCAGTTACAAGGAGTGAAATGCTGGCAGTAGTTAACAAGAAGTATAAGGAGCAATTC
CCTGAGATCCTCAGGAGAACTTCTGCACGCCTAGAATTAGTCTTTGGTCTTGAGTTGAAGGAAATGATC
CCAGCACTCATTCTATTTGCTGGTAGGCAAATGGGTCTTTCCACTGAGGGAAGTTTGAGTAGTAAGT
GGGTTGCTTAGGACAGGTCTCCTAATGTCTGTCTAGGTGTGATCTTCATGAAGGTAACCGTGCCACT
GAGCAAGAGGTCTGGCAATTTCTGCATGGAGTGGGGTATATGCTGGGAAGAAGCACTTGATCTTTGGCG
AGCCTGAGGAGTTATAAGAGATGTAGTGCGGGAAAATACCTGGAGTACCGCCAGGTACCTGGCAGTGA
TCCCCAAGCTATGAGTTCCTGTGGGACCCAGAGCCCATGCTGAAACAACCAAGATGAAAGTCTTGAA
GTTTTAGCTAAAGTCAATGGCACAGTCCCTAGTGCCTTCCCTAATCTCTACCAGTTGGCTCTTAGAGATC
AGGCAGGAGGGGTGCCAAGAAGGAGAGTTCAAGGCAAGGGTGTTCATTCCAAGGCCCATCCCAAAGTC
CTCTAACATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214780 representing NM_031171
Red=Cloning site Green=Tags(s)

```
MPRGQKSKTRSRAKRQQSRREVPVVQPTAEEAGSSPVDQSAGSSFPGGSAPQGVKTPGSFGAGVSC TGS  
IGGRNAAVLPDTKSSDGTQAGTSIQHTLKDPI MRKASVLI EFLLDKFKMKEAVTRSEMLAVVNKKYKEQF  
PEILRRTSARLELVFGLLEKEIDPSTHSYLLVGKLG LSTEGSLSSNWGLPRTGLLMSVLGVIFMKGNRAT  
EQEVWQFLHGVGVYAGKKHLIFGEPEEFIRDVVRE NYLEYRQVPGSDPPSYEFLWGPRAHAETTKMKVLE  
VLAKVNGTVPSAFPPLYQLALRDQAGGVP RRRRVQGGKGVHSKAPSQKSSNM
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9058_a04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_031171

ORF Size: 990 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_031171.1, NP_112448.1

RefSeq Size: 993 bp

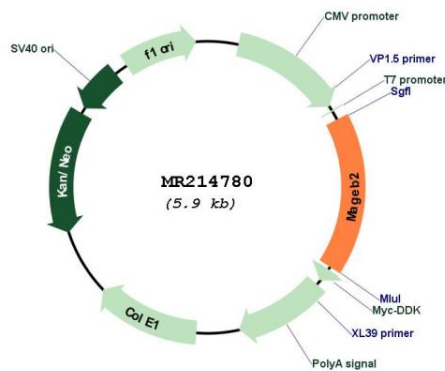
RefSeq ORF: 993 bp

Locus ID: 17146

Cytogenetics: X 40.35 cM

MW: 35.9 kDa

Product images:



Circular map for MR214780