

Product datasheet for **MR215405**

Mageb4 (NM_001033492) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb4 (NM_001033492) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mageb4
Synonyms:	CN716893; Mage-b4; mMage-b4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR215405 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGGGGACAAAAGAGTAAGGCCCTGCTCGTGAGAAGCGTCGCCTGGTCCAGGATGAGGCCCAGG
 AGCTCCAGGATGCTCAAGCCAAGGCAGGAGAGAAAAGAAAAGTCCCCTCCTGCTCTAATCAGGATTCTGG
 AGATGCTGTTGCAAGCACCTCTACTGCTGGCTTCCCTCAAAAAGTCTAAATCTCAAGGTGAGGCACCCACC
 ACCACTGCTAGGAAAGGTGGTGCCTGCAGAAGATCTCGTAAAAGTACCAGAGGTCCAAGGGAGGAAAAGTA
 CCAGTTGCACTAGGGTCCCCCGTTCAGTGAGAATCCACAGAATGATCTTCTAACAAGGAAGACAGGAAT
 GCTGATGCAGTACCTGCTCTGCAAGTACAAAATGAAACAGCCAGCATCTAAGGGAGAAAATGCTCAAAGTG
 ATCAACAGAAGGTTCAAGGAGCAGTTGCCTGAGATCCTCAAGAAAGCCTCTGAGCGCATTAGCTAGTTT
 TTGGTCTTGAGGTGAAAGAAATTAAGCCAATGGTGGCTACTACACCCTTGTAGCAAGTTAGATCCCAG
 TGTCGGTAATGCTCTGACCACTAGCCTGCCATTTCCCAAGACGGGCTTTTGTGCTCTTCTGGGTGTG
 ATCTTCTTAAATGGCAACCGTGCCTCTGAGGCAGAGATCTGGGAATTCCTTAATGTCTTGGGAATTTATG
 ATGGGAAGGTGCACATAATCTTTGGGGAGCCCCGGAAGCTCATCACAGAGATCTGGTTAAGGAAAAGTA
 CCTGGTATACAAAAGGAGGCCAACAGTATCCCCATCCTTTGAGTTTCTTTGGGGTCCCCGAGCCTAT
 GCTGAAACTACCAAGATGAAAATCCTGGAGTTTTTAGCCGAGGTCAATGAGACCGTTCTCAGGCCTTCC
 CAACCCATTATGAGGAGGCTTTGAGAGATCAGGAAGAGAGAGCCCAAGCCGAAGCTGTAGGCAGTCTGG
 CACTAGTGCCAAAGATAAGGCAGAGGCTAAAGTCACACTGGTTGACTCCTTTCGAAATATCAGGCTGAG
 TCTAAAGTCACACTAGTGGACTCTTCTTGTAAAGATCAGGCTGAGTCTAAAGTCACACTTGTGACCCT
 CTTGCAAAGATAATGCCAAGTCTAAGGTACACTTGGCTCCTCTCGAAATACAAGGCCAAGTCTAAAGT
 CCCACTGGTTGACTCCTTTCGAAAGATCAGGCTGAGTCTAAAGTCACACTTGTGGACTCTTTCGAAAGAT
 CAGGCTGAGTCTAAAGTCACACTAGTGGACTCTTCTTGTAAAGATCAGGCTGAGTCTAAAGTCACACTAG
 TGGACTCTTCTTGTAAAGATCAGGCTGAGTCTAAAGTCACACTTGTGACCCCTCTTTCGAAAGATAAGGC
 CAAGTCTAAGGTACACTTGGCTCCTCTCACAATAACAAGGCCAAGTCTAAAGTCACACTGGTTGACTCC
 TCTTTCGAAAGATCAGGCTGAGTCTAAAGTCACACTAGTGGACTCTTCTTGTAAAGATCAGGCTGAGTCTA
 AAGTCACACTTGTGACCCTCTTTCGAAAGATAATGCCAAGTCTAAGGTACACTTGGCTCCTCTCGCAA
 ATACAAGGCCAAGTCTAAAGTCCCCTGGTTGACTCCTCTGAAAAGATAAGGCAGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215405 protein sequence
 Red=Cloning site Green=Tags(s)

MPRGQKSKARAREKRRLVQDEAQELQDAQAKAGEKSKSPSCSNQDSGDAVASTSTAGFPQKSKSQGEAPT
 TTARKGGACRRSRKSTRGPREESTSCTRVPRFSENPNQDLLTRKTGMLMQYLLCKYKMKQPASKGEMLKV
 INRRFKEQLPEILKKASERIQLVFGLEVKEIKPNGGYTLVSKLDPSVGNALTTSLPFPQNGLLMPLLGV
 IFLNNGRASEAEIWEFLNVLGIYDGKVHIIIFGEPKRLITRDLVKEKYL VYQKEANSPPSFEFLWGPWAY
 AETTKMKILEFLAEVNETVQAFPTHYEEALRDQEERAQAEAVGSPGTSKDKAEAKVTLVDSSCKYQAE
 SKVTLVDSSCKDQAESKVTLVDPSCDPAKSKVTLGSSRKYKAKSKVPLVDSSCKDQAESKVTLVDSSCKD
 QAESKVTLVDSSCKDQAESKVTLVDSSCKDQAESKVTLVDPSCDKAKSKVTLGSSHKYKAKSKVTLVDS
 SCKDQAESKVTLVDSSCKDQAESKVTLVDPSCDPAKSKVTLGSSRKYKAKSKVPLVDSSGDKAV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001033492

ORF Size: 1671 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_001033492.2](#), [NP_001028664.2](#)

RefSeq Size: 2401 bp

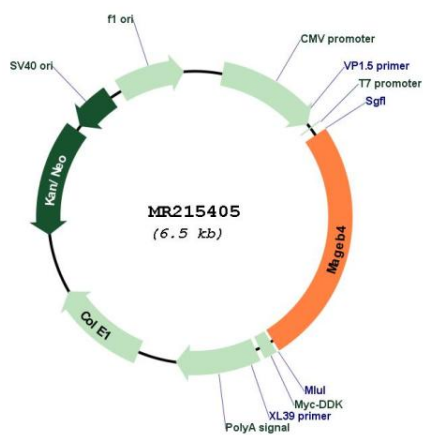
RefSeq ORF: 1671 bp

Locus ID: 434903

UniProt ID: [A2A9R3](#)

Cytogenetics: X C1
 MW: 60.9 kDa

Product images:



Circular map for MR215405