

Product datasheet for **MR215475**

Mageb3 (NM_008545) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb3 (NM_008545) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mageb3
Synonyms:	Mage-b3; Mage-ps1; Mage-rs3; Smage3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR215475 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTAGGGGTCAAAGAGTAAGAGCCGCTCCCCTGCTAAACGACAGCAGTCACGCAGGGAGGTTCAAG
TAGTTCAGCCCCTGCAGAGGAAGCAGGGTCTTCTCCTGTTGACCTGAGTGCTGGGTCCAACCTCCCTGG
TGGTTCGCTCCTCAGGGTGTGAAAACCCTGAATCTTTGGTGCAGGTGATCCTGCACAGGCTCTGGT
ATAGGTGGTAGAAATGCTACTGCTCCTGCCTGATACAAAAGTTTCAGATGGCACCCAGGCAGGACTTCCA
TTCAGCACACACTGAAAGATCCTATCATGAGGAAGGCTAGTGTGCTGATAGAATTCCTGCTAGATAAGTT
TAAGATGAAAGAAGCAGTTACAAGGAGTGAAATGCTGGCAGTAGTTAACAAGAAGTATAAGGAGCAATTC
CCTGAGATCCTCAGGAGAACTTCTGCACGCCTAGAATTGGTCTTTGGTCTTGAGTTGAAGGAAATGATC
CCAGCACTCATTCTATTTGCTGGTGGGCAAACCTGGGTCTTTCCACTGAGGGAAGTTTGAGTAGTAAGT
GGGTTGCTTAGGACAGGTCTCCTAATGTCTGTCTAGGTGTGATCTTCATGAAGGTAACCGTGCCACT
GAGCAAGAGGTCTGGCAATTTCTGCATGGAGTGGGGTATATGCTGGGAAGAAGCACTTGATCTTTGGCG
AGCCTGAGGAGTTTATAAGAGATGTAGTGCAGGAAAATACCTGGAGTACCGCCAGGTACCTGGCAGTGA
TCCCCAAGCTATGAGTTCCTGTGGGACCCAGAGCCCATGCTGAAACAACCAAGATGAAAGTCTTGAA
GTTTTAGCTAAAGTCAATGGCACAGTCCCTAGTGCCTTCCCTAATCTCTACCAGTTGGCTCTTAGAGATC
AGGCAGGAGGGGTGCCAAGAAGTAGAGTTCAAGGCAAGGGTGTTCATTCCAAGGCCCATCCCAAAGTC
CTCTAATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR215475 protein sequence
Red=Cloning site Green=Tags(s)

MPRGQKSKSRRAKRQQSRREVQVVQPTAEEAGSSPVDLSAGSNFPGGSAPQGVKNPESFGAGVSTGSG
 IGGRNATVLPDTKSSDGTQAGTSIQHTLKDPIMRKASVLEFLLDKFKMKEAVTRSEMLAVVNKKYKEQF
 PEILRRTSARLELVFGLLEKEIDPSTHSYLLVGKLGSTEGSLSSNWGLPRTGLLSVLGVIFMKGNRAT
 EQEVWQFLHGTVGYAGKKHLIFGEPEEFIRDVVQENYLEYRQVPGSDPPSYEFLWGPRAHAETTKMKVLE
 VLAKVNGTVPSAFPPLYQLALRDQAGGPPRSRVQKGVHSAKPSQKSSNV

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_008545

ORF Size: 993 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_008545.1](#), [NM_008545.2](#), [NP_032571.2](#)

RefSeq Size: 2322 bp

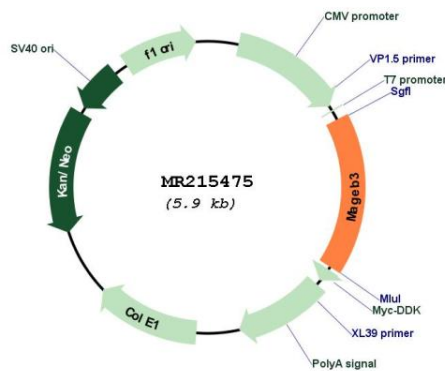
RefSeq ORF: 993 bp

Locus ID: 17147

Cytogenetics: 2 E5

MW: 36 kDa

Product images:



Circular map for MR215475