

Product datasheet for **MR221289**

Mageb18 (NM_173783) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb18 (NM_173783) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mageb18
Synonyms:	B430216B18Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221289 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCCGTGGCCAGAAAAGCAAACCTCCGTGCCGTGAGAAGCGCCGCCAGGCCCGTGCTAAAAATGCAC
AGGAGAAAAGAAGCCTCTCCAGGTCCTTTCTATGGGTGTCCACATCAGGCTAGTCTGTGCCAGTATGCC
TACATCTCCCAACATGCCAATGGGAGAGCAGTCTACCTTTTCACACTCATATAACAAGTACAAGTGACCAA
AACCTAGATGAGAAAAGTTCAGATGACTCTGAGGACACTGAGGACTGGTGTAAAGATCCTATTAACCACA
AAGTAGTTTTACTGGTGCAGTTCCTGATGGAGAAGTATCAAAGAAAGAGGTTATTACTAAGGCAGATAT
GCTGAAGTATGTTATCAAACATCTAAAACCCTTCAATGAGATCCTAAAGAGAGCCTCAGAGCACATG
GAACTGGCATTGGTATTGATCTGAAGGAAGTTGATCCAAACAGGCACCTGCTATGCCCTTTTAAATAAAC
TAGAACATACTTTTGATGGAGTGTGGGTGAAGAAAAATGCCAGTAGTGGCCTCCTAATGATTGTGCT
GGGTGTGATATTCATGAATGATAACTGTGTCTCTGAAACTGAGATCTGGAATGTGCTGAGTATGATGGGT
GTATATGCTAATAGAAAACATTCATCTATGGAGATCCTAAGAAGGTCACTCACTGAAGATATGGTGCAGC
TAAAGTACTTGGAGTACCAACAAGTGCCCAACAGCAATCCTCCATCCTTTGAATTCACGTGGGGTCCAAG
AGCCTGTGCTGAAATCAGCAAGATGAAAATCTTGGAGTTTTGGCCAAGATCCATGATACTACACCAGAT
TCCTTCCCAACCTTGATGAAGCAGCTCTGAAAGATGAAGAAGAGAGAGCCCAAGCCAGGGCTGTAGCCA
GGGCTCACACTGCTGCAATGGCCAGTCCATATTCAGAGCCACGGTGTGCAGCTCCTCCATACTAATAT
C

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221289 protein sequence
Red=Cloning site Green=Tags(s)

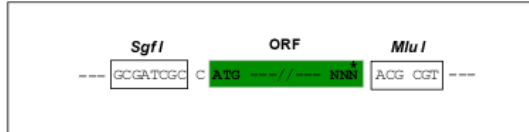
MPRGQKSKLRAREKRRQARAKNAQEKEASPGPFYGC PHQASPVASMP TSPNMPMGEQSTFSHSYTSTSDQ
 NLDEKSSDSED TEDWCKDP INHKVLLVQFLMEKYQKKEVITKADMLKYVIKTSKNHFNEILKRASEHM
 ELAFGIDLKEVDPNRHCYALFNKLEHTFDGVMGEEKMPSSGLLMIVLGVIFMNDNCVSETEIWNVLSMMG
 VYANRKHFIYGDPKKVI TEDMVQLKYLEYQQV P NSNPPSF EFTWGP RACAEISKMKILEFWAKIHDTTPD
 SFPTLYEAALKDEEERAQARAVARAHTAAMASPYSRATVCSSSHTNI

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_173783

ORF Size: 984 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_173783.3](#), [NP_776144.1](#)

RefSeq Size: 2160 bp

RefSeq ORF: 984 bp

Locus ID: 215641

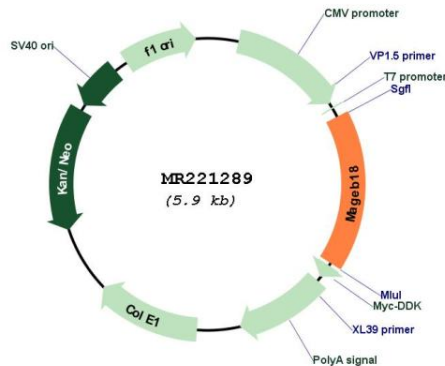
UniProt ID: [Q8BQR7](#)

Cytogenetics: X C2- C3

MW: 37.2 kDa

Gene Summary: May enhance ubiquitin ligase activity of RING-type zinc finger-containing E3 ubiquitin-protein ligases. Proposed to act through recruitment and/or stabilization of the Ubl-conjugating enzyme (E2) at the E3:substrate complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221289