

Product datasheet for **RR215438**

Mageb18 (NM_001044246) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mageb18 (NM_001044246) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mageb18
Synonyms:	RGD1560369
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR215438 representing NM_001044246 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCGTGCCAGAAGAGCAAGCTCCGTGCCGTGAGAAGCGCCGCCAGGCCGTGCTAAAAATGCAC
TGGAGGGACAAGCCTCTCAAGTCTTTCTTTGGCTGTCCACATCAGACTATTCTGTTGCCGGTATGCC
TACACCTCCCAACATGCCAATGGGAGCTTATTCTACCTATTCAGACACATATGCAAAATACACATGCCCAA
AACCTAGATGAGAAAAGTTCGGATGACTCTGAAGACGTTGAGGACTGGTGTAAAGATCCTATAAACACAA
AAGTTGTCTTACTGGTACAATTCCTGATAGAGAAGTATCAAAAAGAAAGAAGTTATCACAAAGGCAGATAT
GCTGAAGTCTGTTATCAAAACATCTAAGAATCACTTCAATGAGATCCTGAAGAGAGCTTCAGAGCACATG
GAACTGGCCTTTGGTGTGATCTGAAGGAAGTAGATCCAAACAGGCACTGTTATGCCCTTTTTAACAAAC
TTGAACATACCTTTGATGGAGTGATGGGTGAAGAAAAGTGCCCAATAGTGGCCTCCTAATGATTGTGCT
GGGTGTGATATTCATGAAAGATAACTGTCCCTGAAACAGAGATCTGGAATGTGCTGAGTATGATGGGT
GTATATGCTAATAGAAAACACTTCATCTATGGAGATCCTAAGAAGGTCACTACTGAAGATATGGTACAGC
TAAATACTTGGAGTACCGACAAGTGCCCAACAGCAATCCTCCATCTTTGAAATTCATGTGGGGTCCAAG
AGCCCGTGTGAGATCAGCAAGATGAAAATCTTGGAGTTTTGGCCAAGATCCATGATACTACACCAGAT
TCCTTCGCAACCTTGATAAAGCAGCTCTGAAAGATGATGAAGAAAAGAGCCCAAGCCAGGCTGCAGCCA
GGGCTCGCACTGTACAACGGCCAGTTCATATTCAAGAGCCATGATGCACAGCTCCCCCCATAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR215438 representing NM_001044246
Red=Cloning site Green=Tags(s)

MPRGQKSKLRAREKRRQARAKNALEGQASPPFFGCPHQITIPVAGMPTPPNMPMGAYSTYSPTYANTHAQ
 NLDEKSSDDSEVEDWCKDPINHKVLLVQFLIEKYQKKEVITKADMLKSVIKTSKNHFNEILKRASEHM
 ELAFGVDLKEVDPNRHCYALFNKLEHTFDGVMGEEKVPNSGLLMIVLGVIFMKDNCPPETEIWNVLSMMG
 VYANRKHFIYGDPKKVIITEDMVQLKYLEYRQVPNSNPPSFEFMWGPRARAEISKMKILEFWAKIHDTTPD
 SFATLYKAALKDDEERAQAAAAARTATTASSYSRAMHSSPPY

TRTRPLEQKLISEEDLANDILDYKDDDDKV

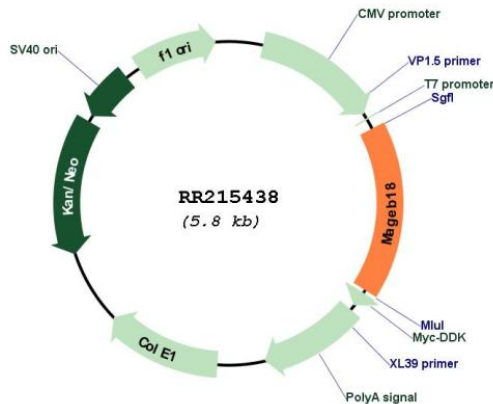
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001044246

ORF Size: 975 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:	<ol style="list-style-type: none">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_001044246.1 , NP_001037711.1
RefSeq Size:	1924 bp
RefSeq ORF:	978 bp
Locus ID:	317270
Cytogenetics:	Xq22
MW:	37 kDa