

Product datasheet for **RR208763**

Mag (NM_017190) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mag (NM_017190) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mag
Synonyms:	1B236
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR208763 representing NM_017190
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATATTCCTTACCACCCTGCCTCTGTTTGGATAATGATTTACGTTCTCGAGGGGGGACTGGGGTG
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 GGATGAGCTCAGACCGGCTGTGGTACATGGCGTCTGGTATTTCAACAGTCCCTACCCCAAGAACTACCCG
 CCAGTGGTCTTCAAGTCCCGCACACAAGTGGTCCACGAGAGCTTCCAGGGCCGTAGCCGCTGTTGGGAG
 ACCTGGGCTACGAACTGCACCCTGCTTCTCAGCAGCTGAGCCCTGAGCTGGGAGGAAATACTATTT
 CCGAGGTGACCTGGGCGCTACAACCAGTACACCTTCTCGGAGCACAGCGTCTGGACATCATCAACACC
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Protein Sequence:

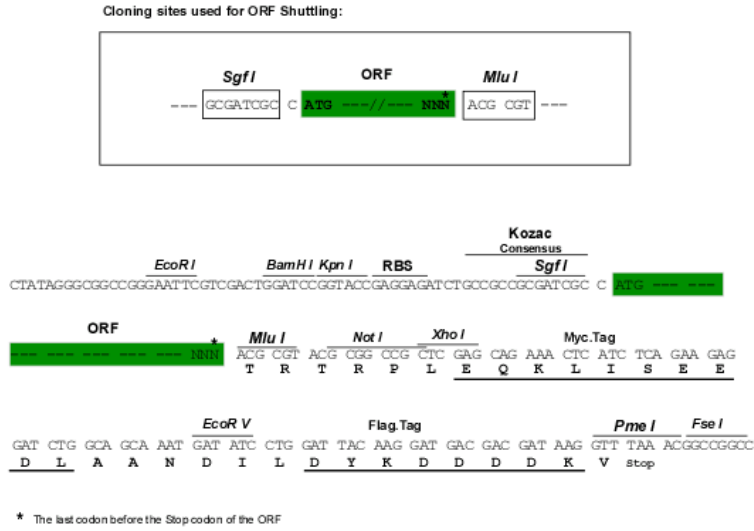
>RR208763 representing NM_017190
 Red=Cloning site Green=Tags(s)

MIFLTTLPFLWIMISASRGGHWGAWMPSSISAFEGTCVSI PCRFD PDEL RPAVHVGVWFNSPKNYP
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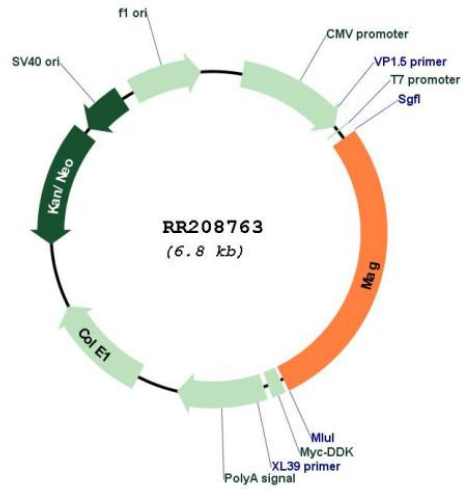
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_017190

ORF Size: 1878 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_017190.4 , NP_058886.1
RefSeq Size:	2475 bp
RefSeq ORF:	1881 bp
Locus ID:	29409
UniProt ID:	P07722
Cytogenetics:	1q21
MW:	69.4 kDa
Gene Summary:	a cell adhesion molecule involved in axonal-glia and glial-glia interactions [RGD, Feb 2006]