

Product datasheet for **RN208763**

Mag (NM_017190) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN208763 representing NM_017190
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATATTCCTTACCACCCTGCCTCTGTTTGGATAATGATTTTCAGCTTCTCGAGGGGGGCACTGGGGTG
 CCTGGATGCCCTCGTCCATCTCAGCCTTCGAGGGCACGTGTCTCCATCCCCTGCCGTTTCGACTTCCC
 GGATGAGCTCAGACCGGCTGTGGTACATGGCGTCTGGTATTTCAACAGTCCCTACCCCAAGAACTACCCG
 CCAGTGGTCTTCAAGTCCCGCACACAAGTGGTCCACGAGAGCTTCCAGGGCCGTAGCCGCCTGTTGGGAG
 ACCTGGGCTACGAACTGCACCCTGCTTCTCAGCAGCTGAGCCCTGAGCTGGGAGGAAATACTATTT
 CCGAGGTGACCTGGGCGCTACAACCAGTACACCTTCTCGGAGCACAGCGTCTGGACATCATCAACACC
 CCCAACATCGTGGTGCCCCAGAAGTGGTGGCAGGAACGGAAGTAGAGGTGAGTGCATGGTGCCGGACA
 ACTGCCAGAGCTGCCCTGAGCTGAGCTGGTGGGCCACGAGGGGCTAGGGGAGCCACTGTTCTGGG
 TCGGCTGCGGGAGGATGAAGGCACCTGGGTGCAGGTGTCAGTACTGCTACACTTCGTGCCTACTAGAGAGCC
 AACGGCCACCGTCTGGGCTGTCAGGCTGCCTTCCCAACACCACCTTGCAGTTTCGAGGGTTACGCCAGTC
 TGGACGTCAGTACCCCCCGGTGATTGTGGAGATGAATTCCTCTGTGGAGGCCATTGAGGGCTCCCATGT
 CAGCCTGCTCTGTGGGCTGACAGCAACCCGCCACCGCTGCTGACTTGGATGCGGGATGGGATGGTGTG
 AGGGAGGCAGTTGCTGAGAGCCTGTACCTGGATCTGGAGGAGGTGACCCAGCAGAGGACGGCATCTATG
 CTTGCCTGGCAGAGAATGCCTATGGCCAGGACAACCGCACGGTGGAGCTGAGCGTCATGTATGCACCTTG
 GAAGCCACAGTGAATGGGACGGTGGTGGCGGTAGAGGGGAGACAGTCTCCATCCTGTGTTCCACACAG
 AGCAACCCGGACCCTATTCTCACCATCTCAAGGAGAAGCAGATCCTGGCCACGGTCATCTATGAGAGTC
 AGCTGCAGCTGGAACCTCCTGCAGTGACGCCGAGGACGATGGGAGTACTGGTGTGAGTGAACA
 GTATGGCCAGAGAGCCACCGCCTTCAACCTGTCTGTGGAGTTTGTCCATAATCCTTTCGGAATCGCAC
 TGTGCAGCGGCCAGAGACACCGTGCAGTGCCTGTGTGGTAAAAATCCAACCCGGAACCTCCGTGGCCT
 TTGAGCTGCCTTCCCGAACGTGACTGTGAACGAGACAGAGAGGGAGTTTGTGACTCAGAGCGCAGCGG
 CCTCCTGCTCACCAGCATCCTCAGCTCCGGGGTCAAGCCCAAGCCCAACCCCGCTCATTTGTACTCCTC
 AGGAACCTCTACGGCACCCAGAGCCTCGAGCTGCCTTCCAGGGAGCACACCGACTGATGTGGGCCAAAA
 TCGGCCCTGTGGGTGCTGTGGTGCCTTTGCCATCCTGATTGCCATTGTCTGCTACATCACCCAGACAAG
 AAGAAAAAAGAACGTACAGAGAGCCCCAGCTTCTCAGCGGGAGACAACCCTCATGTCTGTACAGCCCC
 GAATTCGAATCTCTGGAGCACCTGATAAGTATGAGAGTGAAGCGCCTGGGGTCCGAGAGGAGGCTGC
 TGGGCCTTAGGGGGAACCCCAAGAACTGGACCTCAGTATTCCCACTCAGACCTGGGGAACGACCCAC
 CAAGGACAGCTACACCCTGACAGAGGAGCTGGCTGAGTACGCAGAAATCCGAGTCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_017190

Insert Size: 1881 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_017190.4](#), [NP_058886.1](#)

RefSeq Size: 2475 bp

RefSeq ORF: 1881 bp

Locus ID: 29409

UniProt ID: [P07722](#)

Cytogenetics: 1q21

Gene Summary: a cell adhesion molecule involved in axonal-glia and glial-glia interactions [RGD, Feb 2006]