

Product datasheet for **RN213509**

Mak (NM_013136) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mak (NM_013136) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mak
Synonyms:	MGC93585
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN213509 representing NM_013136
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCGATATACAACCATGAGGCAGCTGGGGACGGCACGTACGGGAGTGTGCTTATGGCAAGAGCA
 ATGAGTCTGGGGAGCTGGTGGCAATCAAGAGGATGAAGAGAAAGTTCTATTCTTGGGATGAGTGTATGAA
 CTTGCGAGAAGTTAAGTCCCTGAAGAACTCAATCATGCCAATGTGATTAATACTAAAAGAAGTTATCAGA
 GAAATGACCATCTTTATTTTATATTTGAATATATGAAAGAAAACCTCTATCAGCTAATGAAAGACAGAA
 ACAAACCTGTTCCCTGAGTCAGTCATCAGAAATATTATGTATCAAATACTACAGGGGCTGGCATTTATCCA
 CAAACATGGCTTTTTTACAGGGACATGAAACCTGAGAATTTGCTTTGCATGGGTCCAGAGCTGGTGAAG
 ATTGCTGATTTTGGACTTGCAGAGAATTAAGATCACAGCCACCATACTGACTATGTGTCTACCAGAT
 GGTACCGTCTCCTGAAGTTTTGCTAAGTCTTCAGTGTACAGCTCTCCATTGACGTGTGGGCCGTGGG
 AAGTATAATGGCCGAGCTATATACGTTTAGACCGCTTTTCCAGGGACCAGTGAAGTTGATGAGATCTTT
 AAAATTTGCCAAGTGTTAGGGACTCCCAAGAAAAGTGACTGGCCGGAGGGGTACCAGCTGGCATCTCCCA
 TGAATTCGCTTTCCCAAGTGCATTCTATAAACCTGAAAACCTCTATTCCCAATGCCAGTAGTGAGGC
 TATTCAGCTTATGACAGAAATGCTTAACTGGGATCCAAAGAAAACGGCCAACTGCAAGCCAGGCACTGAAG
 CACCCATATTTTCAAGTCGGTCAGGATTTGGGCCCTTCTGCACACCATCTGGATGCAAAACAGACTTTGC
 ACAAGCAGCTGCAGCCTCCAGAGCCAAAGCCATCTTCTCTGAACGGGATCTTAAGCCTTTGCCAAACAT
 CCTTGATCAGCCTGCCGGCAGCCCCAGCCAAAACAGGGCCCAACCACTGCAGGCCATTACAGCCACCA
 CAGAACACAGTGGTTCAGCCACCTCAAAGCAGCAGGGTACCATAAGCAACCACAAACGATGTTTCCAA
 GTATCGTCAAAACCATACCAACGAATCCAGTCAGCACAGTAGGCCATAAGGGGGCCCGGAGACGGTGGGG
 TCAGACAGTCTTCAAGTCTGGAGACAGCTGTGACAACATCGAGGACTGCGACTTGGGAGCCTCCCACTCC
 AAGAAGCCGAGCATGGATGCCTTCAAGGAAAAAAGAAGAAGGAGTCTCCATTTCCGTTTTCCAGAAGCAG
 GACTCCAGTCTCCAACCACTTGAAGGGGAAAAATAGAAATTTACATGCATCCTTAAAATCTGACACAAA
 CTTGTCAACTGCTTCAACCGCTAAGCAGTACTATTTGAAACAATCAAGATACCTTCCGGGTGTAACCCC
 AAGAACGTGTCTTTGGTAGCTGGCGCAAGGATATAAATTCACACTCTTGAATAATCAGCTATTTCTTA
 AGTCTCTGGGATCCATGGGGCGGACCTCGCTTCAAGAGGAGTAACGCAGCAGGAACTTGGGAGCTA
 CAGCGCTTACAGCCAGACGGGATGCGTGCCTTCTTCTCAAGAAAGAAGTGGGATCAGCTGGCCAGAGG
 ATCCACTTGGCGCTCTGGGTGCGTCCGCTGCGACTATACCTGGAGCACAAAACCTGGCCGAGGCCAGT
 TTTGAGGACGAACCTACAATCCACAGCCAAAATCTCAATATTGTGAACCGCACACAGCCAGTCCCTCT
 GGTGCACGGGAGGACAGACTGGGTGGCTAAGTACGGAGGCCACCGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_013136

Insert Size: 1869 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_013136.1](#), [NP_037268.1](#)

RefSeq Size: 2372 bp

RefSeq ORF: 1869 bp

Locus ID: 25677

UniProt ID: [P20793](#)

Cytogenetics: 17p13

Gene Summary: kinase; may have an important role in spermatogenesis [RGD, Feb 2006]