

Product datasheet for **RN216951**

Mapk4 (NM_019319) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mapk4 (NM_019319) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mapk4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216951 representing NM_019319
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCAGAGAAAGGTGACTGCATCGCCAGTGTCTACGGGTACGACCTTGGTGGGCGCTTCACTGACTTCC
 AACCCCTCGGCTTCGGGGTCAACGGGCTGGTGTCTCGGCTACGGACAGCAGGGCTTGCCGAAGGTAGC
 CGTGAAGAAGATTGTGCTGAGTGACGCACGAAGCATGAAGCACGCGCTCCGAGAGATCAAAATCATCCGG
 CGCCTGGACCACGACAACATCGTCAAAGGTACGAGGTACTGGGACCAAGGGTAGCGATCTGCAGGGCG
 AGCTCTTTAAGTTCAGCGTGGCTTATATTGTCCAAGAGTACATGGAGACTGACCTGGCATGCCTGCTAGA
 GCAGGGCAGCTGACCGAGGAGCAGCTAAGCTATTATGTACCAGCTGCTGCGTGGGCTCAAGTACATC
 CACTCTGCCAACGTGTTGCACAGGGACCTGAAGCCCGCAACATTTTCATCAGCACGGAGGACCTCGTGC
 TGAAGATCGGGGATTTCCGGGCTGGCCAGAATCGCGGACCAGCATTACTCCACAAGGGTTATCTGTGGGA
 AGGGTTGGTGACAAAGTGGTACCGCTCTCCAGCTGCTCCTGTCCCCGAACAACACAGAAAGCCATC
 GATATGTGGGCAGCTGGCTGCATCCTAGCGGAGATGCTCACGGGGAAAATGCTCTTTGCTGGGGCTCACG
 AGCTTGAGCAGATGCAGCTCATCTAGACACCATCCCTGTAGTGCGGGAGGAAGACAAGGAGGAGTGTCT
 CAGGGTGATGCCGTCTTTGTGACGAGCACTTGGGAGGTGAAGAGGCCACTGCGTAAGCTACTCCCGGAT
 GTCAACCGTGAAGCCATTGACTTTCTGGAGAAGATCCTGACCTTTAACCCCATGGACCGCCTAACAGCTG
 AGATGGGGCTACAGCATCCTTACATGAGCCCGTATTCTGTCCCCGAGGATGAGCCACCTCACAAACCC
 CTTCCGCATTGAAGACGAGATCGACGACCTCGTACTGATGGCTGCCAGTCAGAGCCAGCTCTCAACTGG
 GACAGGTATCCCGTGAGCCTGTCTGATCTGGAATGGCGGCCGACCGCTGTGAGGACGCGAGCGAGG
 TGCAGCGCGACCCACGTGCTGGCTCTACTCCGCTGGCGGAGGATGTTGAGGTGGACCCACGCAAGGACTC
 ACAGAGCAGCTCCGAGCGCTTCTGGAGCAGTCGCACTCGTCCATGGAGCGCGCCTTTGAGGCCGACTAT
 GGACGGTCTGCGACTACAAAGTGGGGTCTCCGTCTACCTGGACAAGCTGCTGTGGCGCGACAACAAGC
 CCCACCACTACTCGGAACCCAAGCTCATCTGGACCTGTGCACTGGAAGCAGGCGGCCAGCGCACCCCC
 CAGGGCTGCAGTAGCAGCAGACCCAGTGTACGTGAGGATGAGCCAGCAAGCCTCTTTCTGGAGATCGCG
 CAGTGGGTCAAGAGCACACAAGTGGCCCTGAGCGTGCCAGTCTCCCCCTGATGCCCCAGAGCCCCGTC
 TCTCTGCTTACCCCCGGGACACCAACACCCATTGATGGGGTGCCAGTCCCCAATTGACTTAGATGT
 GTTCATCTCGCGTGCCCTAAAGCTCTGCACCAACCTGAGGACCTACCGAAAACAACTGGGCGACCTG
 AATGGTGGTGCATCTCCGAGCACCCCGCGACCTCGTGCAACAGAGGCCTTCTCCAAAGAAAGTGGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019319

Insert Size: 1752 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_019319.1</u> , <u>NP_062192.1</u>
RefSeq Size:	3596 bp
RefSeq ORF:	1752 bp
Locus ID:	54268
Cytogenetics:	18q12.2
Gene Summary:	mitogen activated protein kinase found in brain; may be involved in manic-depressive illness [RGD, Feb 2006]