

Product datasheet for RN215106

Mapk13 (NM_019231) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mapk13 (NM_019231) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mapk13
Synonyms:	Prkm13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>NM_019231 ORF sequence, RN215106 may differ due to SNPs. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGCCTCATTGCGAAAAGGGGCTTCTACAAGCAGGACATCAACAAGACTGCCTGGGAGCTGCCAAG
ACCTACCTGGCGCCCGCGCACGTGCGCAGCGGGCCTATGGCGCGGTGTGCTCGGCCATCGACAAGCGG
ACAGGGGAGAAGGTGGCCATCAAGAAGCTGAGCCGGCCCTTCCAGTCGGAGATCTTTGCCAAGCGCGCT
TACCGCGAACTCCTGCTGTTGAAGCACATGCACCATGAGAACGTCATTGGGCTTCTGGATGTCTACACA
CCTGCCACTTCCGTTGAAACTTCCAAGATTTCTACCTGGTGATGCCTTTCATGCAGACCGACCTGCAG
AAGATAATGGGGATGGAGTTCAGTGAGGAGAAGGTCCAGTATTTGGTGTACCAGATGCTCAAAGGTCTA
AAGTACATCCACTCAGCTGGTATCGTTCACAGGGACCTGAAGCCAGGCAACCTGGCCGTGAATGAAGAC
TGTGAGCTGAAGATCCTGGACTTTGGGCTGGCAGCCACACGGACCGGAGATGACTGGCTATGTGGTG
ACCCGCTGGTACCGGGCTCCTGAGGTGATCCTCAGCTGGATGCATTACAACCAGACGGTGGATATCTGG
TCTGTTGGCTGCATCATGGCCGAGATGCTAACCGAAAGACACTTTCAAGGGTAAGGACTACCTGGAC
CAGTGACCCAGATCCTGAAAGTGACTGGGTGCCAGGTGCCAGTTCGTCGAGAAGCTGAAAGACAAG
GCGGCCAAATCCTACATTCAGTCCCTGCCAGAGCCCAAGAAGGATTTACACACGCTTTCCACCGC
GCCAGCCCGCAAGCTGTAGACCTGCTGGACAAGATGCTGGAGCTGGACGTGGACAAGCGTCTGACCGCT
GCTCAGGCACTCGCTCACCCCTTCTTTGAACCCTTCCGGGACCCTGAGGAGGAGACAGAGGCCACGAG
CCATTTGATGATGCCTTAGAGCGGGAGAAACTCAGCGTGGACGAATGGAAACAACACATCTACAAAGAG
ATCGCCAACTTCACTCCATAGCCCGGAAGGACTCGAGGCGACGAAGTGGGATGAAGCTGCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```



[View online »](#)

Protein Sequence: MSLIRKRGFYKQDINKTAWELPKTYLAPAHVGSAYGAVCSAIDKRTGEKVAIKKLSRPFQSEIFAKRA
 YRELLLLKMHHEENVIGLLDVYTPATSVRNFQDFYLVMPFMQDLQKIMGMEFSEEKQYLVYQMLKGL
 KYIHSAGIVHRDLKPGNLAVNEDCELIKILDFGLARHTDAEMTGYVVTRWYRAPEVILSWMHYNQTVDIW
 SVGCIMAEMLTGKTLFKGKDYLDQLTQILKVTGVPGAEFVQKLDKAAKSYIQSLPQSPKKDFTQLFPR
 ASPQAVDLLDKMLELDVDKRLTAAQALAHPPFEPFRDPEEETAQQPFDDALEREKLSVDEWKQHIYKE
 IANFSPIARKDSRRRRSGMKLQ*
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Fully Sequenced ORF: >RN215106 representing NM_019231
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGAGCCTCATTGCGAAAAGGGGCTTCTACAAGCAGGACATCAACAAGACTGCCTGGGAGCTGCCAAGA
 CCTACCTGGCGCCCGCCACGCTCGGCAGCGGGCCATGGCGCGGTGTGCTCGGCCATCGACAAGCGGAC
 AGGGGAGAAGGTGGCCATCAAGAAGCTGAGCCGGCCCTCCAGTCGGAGATCTTTGCCAAGCGCGCTTAC
 CGCGAACTCCTGCTGTTGAGCACATGCACCATGAGAAGCTCATTGGGCTTCTGGATGCTACACACCTG
 CCATCTCCGTTCAAACCTTCCAAGATTTCTACCTGGTGATGCCTTTCATGCAGACCGACCTGCAGAAGAT
 AATGGGGATGGAGTTCAGTGAGGAGAAGGTCCAGTATTTGGTGTACCAGATGCTCAAAGGTCTAAAGTAC
 ATCCACTCAGCTGGTATCGTTTACAGGGACCTGAAGCCAGGCAACCTGGCCGTGAATGAAGACTGTGAGC
 TGAAGATCCTGGACTTTGGGCTGGCAGCCACACGACGCGGAGATGACTGGCTATGTGGTGACCCGCTG
 GTACCGGGCTCCTGAGGTGATCCTCAGCTGGATGCATTACAACCAGACGGTGGATATCTGGTCTGTTGGC
 TGCATCATGGCCGAGATGCTAACCGGAAAGACTCTTCAAGGTAAGGACTACCTGGACCAGCTGACCC
 AGATCCTGAAAGTGACTGGGGTCCAGGTGCCAGTTCGTGCAGAAGCTGAAAGACAAGGCGCCAAATC
 CTACATTCAGTCCCTGCCCGAGCCCAAGAAGATTTACACAGCTTTTCCACGCGCCAGCCCGCAA
 GCTGTAGACCTGCTGGACAAGATGCTGGAGCTGGACGTGGACAAGCGTCTGACCGCTGCTCAGGCACTCG
 CTCACCCCTTCTTTGAACCTTCCGGGACCCTGAGGAGGAGACAGAGGCCAGCAGCCATTTGATGATGC
 CTTAGAGCGGGAGAACTCAGCGTGGACGAATGGAAACAACACATCTACAAAGAGATCGCCAACCTCAGT
 CCCATAGCCCGGAAGGACTCGCGGCGACGAAGTGGGATGAAGCTGCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019231

Insert Size: 1101 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_019231.3](#)

RefSeq Size: 1862 bp

RefSeq ORF: 1101 bp

Locus ID: 29513

Cytogenetics: 20p12

MW: 42.1 kDa

Gene Summary: may play a role in stress and inflammatory responses; involved in activation of the human immunodeficiency virus gene expression [RGD, Feb 2006]