

Product datasheet for **RN209540**

Map2k1 (NM_031643) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Map2k1 (NM_031643) Rat Untagged Clone
Tag: Tag Free
Symbol: Map2k1
Synonyms: Mek1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209540 representing NM_031643
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCCAAGAAGAAGCCGACGCCCATCCAGCTGAACCCGGCCCCGATGGCTCCGCGTTAACGGGACCA
 GCTCGGCCGAGACCAACCTGGAGCCTTGAGAAGAAGCTGGAGGAGCTGGAGCTGGACGAGCAGCAGCG
 GAAGCGCCTTGAGCCTTCTGACGCAGAAGCAGAAGGTGGGAGAGTTGAAGGATGATGACTTTGAGAAG
 ATCAGTGAAGTGGGGCTGGCAATGGTGGAGTGGTGTTCAGGTCTCCACAAGCCATCTGGCCTGGTTA
 TGGCTAGGAAGCTAATCACCTGGAGATCAAACCCGCAATCCGGAACCAGATCATCCGGGAGCTGCAGGT
 GCTGCATGAGTGAACCTCCCGTACATAGTGGGCTTCTACGGGGCCTTCTACAGTGACGGCGAGATCAGC
 ATCTGCATGGAGCACATGGATGGTGGTCTTGGATCAAGTGCTGAAGAAAGCTGGAAGAATTCCTGAGC
 AAATTTTAGGAAAAGTCAGCATCGCTGTGATAAAAGGCCCTGACATATCTACGAGAGAAGCACAAGATTAT
 GCACAGAGATGTCAAGCCTTCCAACATTCTAGTGAACCTCACGTGGGAGATCAAACCTCTGCGATTTTGGG
 GTCAGCGGGCAGCTAATTGACTCCATGGCAACTCCTTCGTGGGAACAAGTCTACATGTCGCCTGAGA
 GACTCCAGGGGACTCACTACTGTGTGCAGTCGGACATCTGGAGCATGGGGCTCTCTGGTGGAGATGGC
 AGTTGGAAGATACCCATTCTCCTCTGTGATGCCAAGGAGCTGGAGCTGCTGTTGGATGCCAGGTGGAA
 GGAGACGCGGCCGAAACGCCACCCAGGCCAAGGACCCCTGGGAGGCCCTCAGCTCATATGGAATGGATA
 GCCGACCTCCCATGGCAATTTTGGATTGTTGGATTACATCGTCAATGAGCCTCTCCAAAACCTGCCAG
 TGGAGTATTCAGTCTGGAATTTTCAAGATTTTGTGAATAAGTGCTTAATAAAGAACCCTGCAGAGAGAGCA
 GATCTGAAGCAGCTCATGGTACATGCTTTCATCAAGAGATCTGATGCCGAGGAGGTAGACTTCGAGGCT
 GGCTCTGCTCCACCATTGGGCTTAACAGCCAGCACACCAACCCACGCTGCCAGCAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_031643
Insert Size:	1182 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:	<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:	<u>NM_031643.4</u> , <u>NP_113831.1</u>
RefSeq Size:	2151 bp
RefSeq ORF:	1182 bp
Locus ID:	170851
UniProt ID:	<u>Q01986</u>
Cytogenetics:	8q24
Gene Summary:	kinase that activates Mapk3 (Erk1) and Mapk1 (Erk2) kinases [RGD, Feb 2006]