

Product datasheet for RN207222

Map2k2 (NM_133283) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map2k2 (NM_133283) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map2k2
Synonyms:	Prkmk2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207222 representing NM_133283 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGCTGGCCCGGAGGAAGCCGGTGTACCGGCACTCACCATCAACCCTACCATCGCTGAGGGCCCGTCCC
CCACCAGCGAGGGCGCCTCCGAGGCACACCTGGTGGACCTCCAGAAGAAGTTGGAAGAGCTGGACCTGGA
TGAACAGCAGAGGAAGCGGCTGGAGGCCTTCTTACCCAGAAGGCCAAGTTGGTGGAGCTCAAGGACGAC
GACTTTGAGAGAATCTCAGAAGTGGGTGCAAGCAATGGCGGCGTGGTACAAAAGGCCCGCATAGGCCCT
CTGGCCTCATCATGGCCAGAAAGCTGATCCACCTGGAGATCAAGCCAGCTGTCCGCAACCAGATCATCCG
GGAGCTGCAGGTGCTGCATGAGTGCAACTCACCGTACATCGTGGGCTTTTATGGGGCCTTCTACAGCGAC
GGCGAGATCAGCATCTGCATGGAGCACATGGACGGTGGCTCACTGGACCAGGTAAGGAGGCCAAGC
GCATCCCGAGGACATCTTAGGGAAGGTGAGCATTGCGGTGCTCCGGGGCCTGGCGTACCTCCCGAGAA
GCACCAGATCATGCATAGAGATGTGAAGCCCTCCAACATTCTGGTGAACCTCTCGTGGAGAGATTAAGCTG
TGCGACTTCGGAGTGAGCGGCCAGTTGATTGACTCCATGGCCAACCTATTGTAGGGACACGCTCCTACA
TGTCCCAGAACGGCTGCAGGGCACCCACTACTGTGCAGTCGGACATCTGGAGCATGGGGCTGTGCGT
GGTGGAGCTGGCCATCGGGAGGTACCCCATCCCCACCTGATGCCAAGGAACTAGAGGCCAGCTTTGGC
CGGCCTGTGGTGGACGGGCAGATGGAGAGCCCATAGTGTCTCACCGCGGCCCGGCCCTGGACGCC
CCATCAGTGGTGCATGGGATGGACAGCCGACCAGCCATGGCCATCTTTGAGCTGCTGGACTACATAGTGAA
TGAGCCACCTCCCAAGCTGCCAGTGGTGTGTTGAGCTCAGACTTCCAGGAGTTGTGAATAAATGTCTC
ATTAAGAACCCAGCAGAGCGTGCAGACCTCAAGCTGCTGACGAACCATGCCTTCATCAAACGCTCTGAGG
GGGAGGACGTGGACTTCGCTGGCTGGCTATGCAGAACCCTGCGGCTGAAGCAGCCAGCACACCCACGGC
TACTGCAGT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-RsrII
ACCN:	NM_133283
Insert Size:	1203 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_133283.1</u> , <u>NP_579817.1</u>
RefSeq Size:	1376 bp
RefSeq ORF:	1203 bp
Locus ID:	58960
UniProt ID:	<u>P36506</u>
Cytogenetics:	7q11
Gene Summary:	a dual-specificity protein kinase that activates the Erk1 and Erk2 kinases [RGD, Feb 2006]