

Product datasheet for **MC209717**

Map2k3 (NM_008928) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map2k3 (NM_008928) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map2k3
Synonyms:	AW212142; MEK3; MKK3; mMKK3b; Prkmk3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209717 representing NM_008928 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGTCGCCCCGCCGAGCCCCGCCGAGCTTGCCTCAGACCAAAGGAAAAATCCAAAAGGAAAAAGG
ACTTACGGATATCCTGCGTGTCCAAGCCACCTGTGTCCAACCCACACCCCCCGGAACCTGGACTCCC
GACCTTCATCACTATCGGAGACAGAACTCGAAGTGGAGGCTGATGACTTGGTGACCATCTCAGAGCTG
GGTCGTGGAGCCTATGGGTGGTAGAGAAAGTGGGCATGCTCAGAGTGGTACCATCATGGCTGTCAAGC
GCATCCGGGCCACAGTGAACACACAGGAGCAGAAACGTCTGCTTATGGACCTAGACATCAACATGCGCAC
GGTCGACTGCTTCTACACTGTCACCTTCTATGGTGCCCTTTCAGAGAGGGGGATGTATGGATCTGCATG
GAGCTCATGGACACTTCCCTGGATAAGTTCTACCGAAGGTGCTGGAGAAGAATGAAAATCCCGAAG
ACATCCTGGGGGAGATCGCTGTGTCTATCGTGCGGGCCCTGGAGCACCTGCATAGCAAGCTGTCTGTGAT
CCACAGAGATGTGAAGCCATCCAATGTCCTCATCAACAAGGAAGGGCATGTGAAGATGTGCGACTTTGGC
ATCAGTGGCTACCTGGTGGACTCTGTGGCAAAGACAATGGATGCTGGCTGCAAGCCTTACATGGCCCCTG
AGAGGATCAACCCTGAACTGAATCAGAAGGGCTACAATGTCAAGTCTGATGTCTGGAGCCTCGGCATCAC
CATGATCGAGATGGCCATTCTGCGATTCCCTTATGAGTCTTGGGGCACACCGTTCCAGCAGCTGAAGCAG
GTGGTGGAGGACCATCCCCACAGCTCCCAGCGGACCAGTCTCCCCTGAGTTTGTGGACTCACTAGCC
AGTGCTAAGGAAGAACCCTGCAGAGCGCATGAGCTACCTGGAGCTGATGGAACACCCATTCTTACCTT
GCACAAAATAAGAAGACAGACATTGCTGCCTTTGTGAAGGAGATCCTGGGAGAGGATTCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_008928
Insert Size:	1044 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_008928.4</u> , <u>NP_032954.1</u>
RefSeq Size:	2166 bp
RefSeq ORF:	1044 bp
Locus ID:	26397
UniProt ID:	<u>O09110</u>
Cytogenetics:	11 B2
Gene Summary:	Dual specificity kinase. Is activated by cytokines and environmental stress in vivo. Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in the MAP kinase p38. Part of a signaling cascade that begins with the activation of the adrenergic receptor ADRA1B and leads to the activation of MAPK14.[UniProtKB/Swiss-Prot Function]