

Product datasheet for **MC215982**

Map2k5 (NM_011840) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map2k5 (NM_011840) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map2k5
Synonyms:	AI324775; AI428457; Mapkk5; MEK5; Prkmk5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC215982 representing NM_011840
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGGCTGGCCCTTGCCCTTCTGTGCCATGGAGAACCAGGTGCTGGTGATTTCGGATCAAGATTC
 CAAATAGTGGCGCGGTGGACTGGACCGTCACTCCGGGCCGAGTTACTCTTCAGGGATGTTCTGGATGT
 GATAGGCCAGGTTCTGCCTGAAGCGACGACGACAGCGTTTGAATATGAAGATGAAGATGGTGATAGGATT
 ACAGTAAGAAGCGATGAAGAGATGAAGGCAATGCTGTCCTACTATTATCCACAGTAATGGAACAGCAAG
 TAAATGGCCAGCTAATAGAGCCGCTGCAGATATTTCCAAGAGCCTGCAAGCCTCTGGGGAACGGAACAT
 ACATGGCCTGAAGGTGAATACACGGGCTGGGCCATCTCAACACACCAGCCCTGTGGTCTCAGATTCGCTT
 CCAAGCAATAGCTGAAGAAGTCTCAGCTGAAGTGAAGATACTGGCCAACGGCCAGATGAATGAAC
 AAGACATACGGTATCGAGACACCCTTGGTCATGGCAACGGAGGCACAGTCTACAAAGCACATCATGTCCC
 AAGTGGGAAAATTTAGCTGTAAGGTTATTCTGTTAGACATTACTGGAGCTTCAGAAGCAGATCATG
 TCTGAGCTGGAATCCTTTATAAGTGTGACTCATCGTATATCATAGGATTTTACGGGGCATTTCGTTAG
 AAAACAGGATTTCAATTTGTACAGAATTCATGGATGGGGGCTTTTGGATGTATATAGGAAAATTCAGA
 GCACGTCCTTGAAGAATTGCAGTTGCAGTTGTTAAAGGCCTTACCTATCTGTGGAGTTTAAAGATTTTA
 CACAGAGATGTGAAGCCCTCCAACATGCTTGTAAACACAGGCGGACAGGTCAAGCTGTGTGACTTTGGCG
 TGAGCACACAGCTGGTGAATTCATAGCCAAGACGTATGTTGGAACAAATGCTTACATGGCACCAGAAAG
 AATTTCCAGGAGAGCAGTATGGGATCCATTCTGACGTGTGGAGCTTAGGAATCTCTTTTCATGGAGCTTGT
 CTTGGGAGGTTCCATATCCTCAGATTCAGAAAAACCAGGGATCTTTAATGCCTCTCCAGCTTCTGCAGT
 GCATTGTTGATGAGGATTCGCCGCTCCTCCGCTTGGAGAGTCTCGGAGCCGTTTGTACATTTTCATCAC
 TCAGTGCATGAGGAAGCAGCCCAAGGAGAGACCCGGCGCCTGAGGAGCTGATGGGTACCCATTTCATCGTG
 CAGTTCAATGATGAAACTCCACTGTGGTGTCCATGTGGGTGTGCCGAGCTCTAGAGGAGAGGCGGAGCC
 AGCAGGGACCCCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_011840
- Insert Size:** 1347 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_011840.2](#), [NP_035970.1](#)

RefSeq Size: 2258 bp

RefSeq ORF: 1347 bp

Locus ID: 23938

UniProt ID: [Q9WVS7](#)

Cytogenetics: 9 B-C

Gene Summary: Acts as a scaffold for the formation of a ternary MAP3K2/MAP3K3-MAP3K5-MAPK7 signaling complex. Activation of this pathway appears to play a critical role in protecting cells from stress-induced apoptosis, neuronal survival and cardiac development and angiogenesis. [UniProtKB/Swiss-Prot Function]