

Product datasheet for **MC217771**

Map2k5 (BC028260) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Map2k5 (BC028260) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Map2k5
 Synonyms: MEK5, Mapkk5, Prkmk5
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >BC028260
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGGCTGGCCCTTGGCCCTTCTGTGCCATGGAGAACCAGGTGCTGGTGATTCCGGATCAAGATTC
 CAAATAGTGGCGGGTGGACTGGACCGTGCCTCCGGGCCAGTTACTTTCAGGGATGTTCTGGATGT
 GATAGGCCAGGTTCTGCCTGAAGCGACGACGACAGCGTTTGAATATGAAGATGAAGATGGTGATAGGATT
 ACAGTAAGAAGCGATGAAGAGATGAAGGAATGCTGTCCTACTATTATCCACAGTAATGGAACAGCAAG
 TAAATGGCCAGCTAATAGAGCCGCTGCAGATATTTCCAAGAGCCTGCAAGCCTCCTGGGGAACGGAACAT
 ACATGGCCTGAAGGTGAATACACGGGCTGGGCCATCTCAACACACCAGCCCTGTGGTCTCAGATTCCTT
 CCAAGCAATAGCTTGAAGAAGTCTCAGCTGAAGTGAAGAAAGATACTGGCCAACGGCCAGATGAATGAAC
 AAGACATACGGTATCGAGACACCCTTGGTCATGGCAACGGAGGCACAGTCTACAAAGCACATCATGTCCC
 AAGTGGGAAAATTTAGCTGTAAGGTTATTCTGTTAGACATTACACTGGAGCTTCAGAAGCAGATCATG
 TCTGAGCTGGAATCCTTTATAAGTGTGACTCATCGTATATCATAGGATTTACGGGGCATTTCGTTAG
 AAAACAGGATTTCAATTTGTACAGAATTCATGGATGGGGGCTTTGGATGTATATAGGAAAATCCAGA
 GCACGTCCTTGAAGAATTGCAGTTGCAGTTGTTAAAGGCTTACCTATCTGTGGAGTTTAAAGATTTTA
 CACAGAGATGTGAAGCCCTCCAACATGCTTGTAAACACAGGCGGACAGGTCAAGCTGTGTGACTTTGGCG
 TGAGCACACAGCTGGTGAATTCTATAGCCAAGACGTATGTTGGAACAAATGCTTACATGGCACCAGAAA
 AATTTACAGGAGCAGTATGGGATCCATTTCTGACGTGTGGAGCTTAGGAATCTCTTTTATGGAGCTTGT
 CTTGGGAGGTTTCCATATCCTCAGCCTTCCAGCTTCTGCAGTGCATTGTTGATGAGGATTCGCCGGTCC
 TTCCTCTGGAGAGTTCTCGGAGCCGTTGTACATTTTCACTCAGTGCATGAGGAAGCAGCCCAAGGA
 GAGACCGGCCCTGAGGAGCTGATGGGTCACCCATTTCATCGTGCAGTTCAATGATGGAACTCCACTGTG
 GTGTCCATGTGGGTGTCCGAGCTCTAGAGGAGAGGCGGAGCCAGCAGGGACCCCGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Restriction Sites:	Sgfl-Mlul
ACCN:	BC028260
Insert Size:	1320 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>BC028260</u> , <u>AAH28260</u>
RefSeq Size:	2149 bp
RefSeq ORF:	1319 bp
Locus ID:	23938
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]