

Product datasheet for **RN200375**

Map2k5 (NM_001033987) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map2k5 (NM_001033987) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map2k5
Synonyms:	Mek5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200375 representing NM_001033987
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTGGCTGGCCCTTGCCCTTTCTGCCATGGAGAACCAGGTGCTGGTGATTTCGGATCAAGATTC
 CAAATAGTGGCGCGGTGGACTGGACCGTCACTCCGGGCCGAGTTACTCTTCAGGGACGTGCTGGATGT
 GATAGGCCAGTTCTGCCTGAAGCAACGACGACGCTTTGAATATGAAGATGAAGATGGTGATAGGATT
 ACAGTAAGAAGTGACGAAGAGATGAAGGCAATGCTGTCCTACTATTATCCACAGTAATGGAACAGCAAG
 TAAATGGCCAGCTAATAGAGCCGCTGCAGATCTTCCAAGAGCCTGCAAGCCTCTGGGGAACGGAACAT
 ACATGGCCTGAAGGTGAATACACGGGCTGGACCATCTCAGCACACCAGCCCTGTGGTCTCAGATTCACTT
 CCAAGCAATAGCTGAAGAAGTCTCGGCTGAACTGAGAAAGATACTGGCCAACGGCCAGATGAATGAAC
 AAGACATACGGTATCGAGACACCCTTGGTCATGGCAACGGAGGCACAGTCTACAAAGCATATCATGTCCC
 AAGTGGGAAAATCTTAGCTGTAAGGTTATTCTGTTAGACATCACACTGGAGCTTCAGAAGCAGATCATG
 TCTGAGTTGAAAATCTTTATAAGTGTGACTCATCGTATATCATAGGATTTACGGGGCATTTTTTGTAG
 AAAACAGGATTTTCGATTTGTACAGAATTCATGGATGGGGGGTCTTTGGATGTATATAGGAAAATTCAGA
 GCACGCTCTCGGAAGAATTGCAGTAGCAGTTGTTAAAGGCCTTACCTATCTGTGGAGTTTAAAGATTTTA
 CACAGAGATGTGAAGCCTTCCAACATGCTTGTAAACACAAGCGGACAGGTCAAGCTGTGTGACTTCGGCG
 TGAGCACCCAGCTGGTGAATTCTATAGCCAAGCAGTATGTTGGAACAAATGCTTATATGGCACCCGAAAG
 GATTTTCAGGAGAGCAGTATGGGATCCATCCGACGTGTGGAGCTTAGGGATCTCTTTCATGGAGCTTGCT
 CTTGGGAGGTTTCCATATCCTCAGATTCAGAAAAACCAGGGATCTTTAATGCCTCTCCAGCTTCTGCAGT
 GCATTGTTGATGAGGATTCGCCGTCCTCCGCTTGGAGAGTCTCGGAGCCGTTTGTACATTTTCATCAC
 TCAGTGCATGAGGAAGCAGCCCAAGGAAAGACCAGCGCCCGAGGAGCTGATGGGTACCCATTATCGTG
 CAGTTCAATGACGAAACGCCACTGTGGTGTCCATGTGGGTTTCCGAGCTCTGGAGGAGAGACGGAGCC
 AGCAGGGGCCCCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001033987
- 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_001033987.1](#), [NP_001029159.1](#)
RefSeq Size: 2357 bp
RefSeq ORF: 1347 bp
Locus ID: 29568
UniProt ID: [Q62862](#)
Cytogenetics: 8q24
Gene Summary: kinase involved in signal transduction in the cell [RGD, Feb 2006]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform a).