

## Product datasheet for **RN200376**

### Map2k5 (NM\_017246) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Map2k5 (NM\_017246) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Map2k5  
 Synonyms: Mek5  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN200376 representing NM\_017246  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCTGTGGCTGGCCCTTGGCCCTTTCGTGCCATGGAGAACCAGGTGCTGGTGATTCCGGATCAAGATTC  
 CAAATAGTGGCGGGTGGACTGGACCGTGCCTCCGGCCGAGTACTCTTCAGGGACGTGCTGGATGT  
 GATAGGCCAGGTTCTGCCTGAAGCAACGACGACAGCCTTTGAATATGAAGATGAAGATGGTGATAGGATT  
 ACAGTAAGAAGTGACGAAGAGATGAAGCAATGCCTGTCCTACTATTATCCACAGTAATGGAACAGCAAG  
 TAAATGGCCAGCTAATAGAGCCGCTGCAGATCTTCCAAGAGCCTGCAAGCCTCCTGGGGAACGGAACAT  
 ACATGGCCTGAAGGTGAATACACGGGCTGGACCATCTCAGCACACCAGCCCTGTGGTCTCAGATTCACTT  
 CCAAGCAATAGCTTGAAGAAGTCTCGGCTGAAGTGAAGATACTGGCCAACGGCCAGATGAATGAAC  
 AAGACATACGGTATCGAGACACCCTTGGTCATGGCAACGGAGGCACAGTCTACAAAGCATATCATGTCCC  
 AAGTGGGAAAATCTTAGCTGTAAGGTTATTCTGTTAGACATCACACTGGAGCTTCAAGCAGATCATG  
 TCTGAGTTGAAAATCTTTATAAGTGTGACTCATCGTATATCATAGGATTTACGGGGCATTTTTTGTAG  
 AAAACAGGATTTTCGATTTGTACAGAATTCATGGATGGGGGCTTTGGATGTATATAGGAAAATTCAGA  
 GCACGTCCTCGGAAGAATTGCAGTAGCAGTTGTTAAAGGCTTACCTATCTGTGGAGTTTAAAGATTTTA  
 CACAGAGATGTGAAGCCTTCCAACATGCTTGTAAACACAAGCGGACAGGTCAAGCTGTGTGACTTCGGCG  
 TGAGCACCCAGCTGGTGAATTCTATAGCCAAGACGTATGTTGGAACAAATGCTTATATGGCACCCGAAAAG  
 GATTTTCAGGAGAGCAGTATGGGATCCATTCGACGTGTGGAGCTTAGGGATCTCTTTTCATGGAGATTCAG  
 AAAAACAGGGATCTTTAATGCCTCTCCAGCTTCTGCAGTGCATTGTTGATGAGGATTCGCCGTCCTTC  
 CGCTTGGAGAGTCTCGGAGCCGTTTGTACATTTCACTCAGTGCATGAGGAAGCAGCCCAAGGAAAAG  
 ACCAGCGCCCGAGGAGCTGATGGGTACCCATTTCATCGTGCAGTCAATGACGGAACGCCACTGTGGTG  
 TCCATGTGGGTTTCCGAGCTCTGGAGGAGAGACGGAGCCAGCGGGCCCCCATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_017246
<b>Insert Size:</b>	1317 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_017246.2</a> , <a href="#">NP_058942.1</a>
<b>RefSeq Size:</b>	2327 bp
<b>RefSeq ORF:</b>	1317 bp
<b>Locus ID:</b>	29568
<b>UniProt ID:</b>	<a href="#">Q62862</a>
<b>Cytogenetics:</b>	8q24
<b>Gene Summary:</b>	kinase involved in signal transduction in the cell [RGD, Feb 2006] Transcript Variant: This variant (2) lacks an alternate exon in the coding region compared to variant 1. The resulting protein (isoform b) is shorter but has the same N- and C-termini compared to isoform a.