

## Product datasheet for **RN205220**

### Map4k3 (NM\_133407) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k3 (NM_133407) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map4k3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN205220 representing NM\_133407  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACCCGGGCTTCGACCTGTCCCGCCGGAACCCGAGGAGACTTCGAGCTGATCCAACGCATAGGCA  
 GCGGCACCTACGGCGACGTCTACAAGGCACGGAATGTCAACACTGGAGAATTAGCCGCAATTAAGTGAT  
 AAAATTGGAACAGGAGAAGACTTCGCGGTTGTACAGCAAGAAATCATTATGATGAAAGACTGCAAACAT  
 GCAAACATCGTTGCTTATTTTGGAAATTATCTCAGGCGAGATAAACTTTGGATTTGCATGGAATTTTGTG  
 GAGGTGGCTCTTTACAGGACATCTATCATGTAAGTGGCCCCCTTCAGAGCTGCAGATTGCATACGTTAG  
 CAGGGAACACTCCAGGATTGTATTACCTTACAGTAAAGGAAAAATGCACAGAGATATAAAGGGCGCT  
 AACATCTACTAACGGATAACGGTCATGTGAAATTAGCTGATTTTGGAGTTTCCGCACAGATAACAGCTA  
 CAATTGCCAAACGGAAGTCTTTCATTGGTACCCCATATTGGATGGCCCCAGAAGTCGCGGCTGTTGAGCG  
 GAAAGGAGGGTACAATCAGCTGTGTGACCTCTGGGCTGTGGGCATCACTGCCATCGAGCTGGCGGAGCTC  
 CAGCCACCCATGTTTACCTTACCCCAATGAGGGCATTGTTTCTAATGACAAAAAGCAATTTCCAGCCTC  
 CTAATAAAAAAGATAAGTTGAAGTGGTCAATAGTTTCCATCATTGTTGTAAGATGGCTCTTACAAAAA  
 TCCAAAAAAGACCCACTGCAGAAAAGCTGCTACAGCATCCCTTTGTCACACAGCCTCTGACGAGGTCT  
 TTGGCAATCGAGTTGCTGGACAAGGTGAATAATCCAGATCATTCCACATACCACGACTTTGACGATGATG  
 ACCCAGAGCCTCTTGTGCTGTACCACATAGAATTCCTTCAACTAGTAGGAATGTGAGAGAAGAAAAAGAC  
 ACGCTCAGAGATAAACTTTGGTCAGGTAATAATTTGACCCGCCCTAAGGAAGGAGACAGAGCCGCATCAT  
 GAACCTTGATCTACAATTAGAGTACGGCAAGGACACCAAAAGTAATTACTTTTTAGGTGGAACAAGAGTC  
 TTCTGAAGTCTGTTGAAGAGGAGCTGCACCAGCGAGGACACGTGGCACACTTAGAAGATGACGAAGGGGA  
 CGATGACGACTCTAAACATTCAACCTTGAAGCAAAAGTCCCACCTCTCTGCCACCAAAGCCTAAATCC  
 ATCTCCATACCACAGGATACACATTCTTCTGAGGACAGTAATCAAGGCACAATCAAGAGATGTCCCTCAT  
 CAGGGAGCCAGCAAAGCCATCCACGTTCTCTAGACCACCACCCCCAGGCTACCCCGCAGAAGCC  
 TGCTGTTTTAGGCAATGGGGTGAGCTCCTTCCAGCTCAATGGTGAACGGGACGGTGGTGCATCAGCAG  
 CAGAGTGAGCAGAGAGGCACGAACCTCTCCAGAAAAGAGAAGAAGGACGTGCCAAAGCCAATTAGTAATG  
 GCCTTCCCCAACACCTAAAGTGCATATGGGAGCATGTTTTTCAAAGTTTTTAAATGGATGTCCCTTGAA  
 AATCCACTGTGCCACATCTGGATAAATCCGGACAGGAGACCAGTACTTGATATTTGGCGCTGAAGAG  
 GGCATTTATACCCTTAATCTCAATGAATTCATGAAACATCAATGGAACAGCTGTCCCCCGCAGGTGTA  
 CGTGGTTGATGTAATGAACAACCTGCTTACTGTCCGTATCCGGCAAGCCCTCTCAGCTTTATCCCAAA  
 TTTACCAGGGCTTTTCGATTATGCAAGACAGATGCAGAAGTTACCTGTAGCCATCCCAGCACACAAGCTC  
 CCGGATCGAATACTGCCAGGAAATTTGCTGTATCAGCAAAGATTCTGAAACCAAGTGGTGTGAGAAGT  
 GCTGCGTGGTGAGAAATCCTTACACGGGCCATAAGTACCTGTGCGGAGCACTTCAGACTAGCATTGTTCT  
 ATTAGAATGGGTTGAGCCAATGCAGAAGTTATGTTAATTAAGCACATAGAGTTTCCAATGCCGTGCCG  
 CTCCGGATGTTTCGAGATGCTGGTGGTGCCAGAGCAGGAGTACCCTCTGGTCTGTGTTGGCGTCAGTAGAG  
 GGCGAGACTTCAACCAAGTGGTGCATTTGAGACCGTCAATCAAATCTACCTCGTCACTGGTTCACAGA  
 GTCAGATACCCCGCAGACAAACGTCACCCATGTGACCCAGCTGGAGAGAGACACCATCTCGTGTGCTTG  
 GATTGTTGTATAAAAAATAGTGAATCTCCAAGGAAGATTGAAATCCAGCAGAAAATTATCTTCAGAGCTCA  
 CCTTCGATTTCCAGATAGAATCCATAGTTTGTCTACAAGACAGTGTGCTAGCTTTCTGGAACACGGGAT  
 GCAAGGTAGAAGTTTTAGATCTAACGAGGTAACACAAGAAATTTAGATAACACAAGAATCTTCAGACTT  
 CTTGGATCTGACAGGTTGTGGTTTTGGAAAGTAGACCAACTGACAACCCAAACAGCAAAATAGCAATTTAT  
 ACATCCTGGCGGCCACGAAAACAGCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_133407  
**Insert Size:** 2622 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_133407.1</a> , <a href="#">NP_596898.1</a>
<b>RefSeq Size:</b>	4109 bp
<b>RefSeq ORF:</b>	2622 bp
<b>Locus ID:</b>	170920
<b>UniProt ID:</b>	<a href="#">Q924I2</a>
<b>Cytogenetics:</b>	6q11
<b>Gene Summary:</b>	a mitogen-activated protein kinase kinase kinase kinase that functions upstream of c-Jun N-terminal kinase [RGD, Feb 2006]