

## Product datasheet for **MC229130**

### Map4k3 (NM\_001290345) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k3 (NM_001290345) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map4k3
Synonyms:	4833416M01Rik; 4833416M07Rik; 9530052P13Rik; Glk; MAPK3; MEK3; MEK3;
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC229130 representing NM\_001290345  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAACCCGGGCTTCGATCTGTCCCGCCGGAACCCGAGGAGACTTCGAGCTGATCCAGCGCATCGGCA  
 GCGGCACCTACGGCGACGTCTACAAGGCACGGAATGTCAACACTGGAGAATTAGCAGCAATTAAGTGAT  
 AAAATTGGAACAGGAGAAGACTTTGCGGTTGTACAGCAAGAAATCATTATGATGAAAGACTGCAAACAC  
 CCAAACATTGTTGCTTATTTGGAAGCTATCTCAGGCGAGATAAACTTTGGATTTGCATGGAATTCTGTG  
 GAGGTGGCTCTTACAGGACATATCATGTAAGTGGACCCCTTCAGAACTGCAGATTGCATATGTTAG  
 CAGAGAACTCTACAGGATTGTATTACCTTCACAGTAAAGGAAAAATGCACCGAGATATAAAGGGCGCT  
 AACATTCTCTAACGGATAATGGTCACGTGAACTAGCTGATTTTGGAGTTTCTGCACAGATAACAGCTA  
 CAATTGCCAAACGGAAGTCCCTTATTGGAACGCCATATTGGATGGCCCCAGAAGTCGCGGCTGTTGAGAG  
 GAAAGGGCGGTACAATCAACTGTGTGACCTCTGGGCGGTGGGCATCACTGCCATCGAGCTGGCGGAGCTC  
 CAGCCACCATGTTTACCTTCACCCGATGAGGGCATTGTTTCTAATGACAAAAAGCAATTTCCAGCCTC  
 CTAAACTAAAAGATAAGTTGAAGTGGTCAAAATAGTTTCCATCATTGTTGTAAGATGGCTCTTACAAAAA  
 TCCAAAGAAAAGACCCAAATGCAGAAAAGCTGTTACAGCATCCCTTTGTCACACAGCCTCTGACACGGTCT  
 TTGGCAATCGAGTTGCTGGACAAAGTGAATAATCCAGACCATTCCACATACCACGATTTTGTATGATGATG  
 ACCCAGAGCCTCTTGTGGCCGTACCACATAGAATTCCTTCAACGAGTAGAAAATGTGAGAGAAGAAAAAC  
 ACGCTCAGAGATAAACTTTGGCCAGGTAATAATTTGATCCGCCCTTAAGGAAGGAGACAGAGCCACATCAC  
 GAACTCCCGACAGTGTGGTTTTTTCGACAGTTCAGAAGAAATATACTACACTGCAAGATCTAATCTGG  
 ATCTGCAACTAGAGTACGGACAAGGACACCAAGCCATTGCTTCTTAGGTGGCAACAAGATCTTCTGAA  
 GTCTGTTGAAGAGGAATTACATCAGCGAGGACATGTGGCACACTTAGAAGATGACGAAGGCGACGATGAC  
 GACTCTAAGCATTCAACCATGAAAGCAAAAAGTCCCGCCTCCTCTGCCACCAAAGCCTAAATCCATCTTCA  
 TACCACAGGATACACATTCTGCTGAGGACGGTAATCAAGGAACAATCAAGAGATGTCCTCATCAGGGAG  
 CCCGGCAAAGCCATCCCACGTTCCACCTAGACCACCTCCGCCAGGTTACCGCCACAGAAGCCTGCTGTT  
 TTAGGAAATGGAGTGAATCCTTCCAGCTAAATGGTGAGCGAGACGGATCATTATATCAGCAGCAGAGTG  
 AGCAAAGAGGCACAAACCTTTCAAGAAAGGAGAAGAAGGACGTCGCCGAAACCAATTAGTAATGGTCTTCC  
 CCCAACACCTAAAGTGCATATGGGAGCGTGTTTTTCAAAGTTTTTAATGGATGTCCCTTAAAAATCCAC  
 TGTGCCACATCCTGGATAAACCAGACAGAGAGACCAGTACTTGATATTTGGCGCTGAAGAGGGCATT  
 ATACCCTTAATCTCAATGAACTTCAATGAAACATCAATGGAACAGCTGTTCCCGCGAGGTGTACGTGGCT  
 GTATGTGATGAACAATTGCCTGCTGTCAGTCTCGGGCAAAGCCTCTCAGCTTTACTCCCAAACTTACCG  
 GGGCTTTTCGATTATGCAAGACAGATGCAGAAGCTTCCAGTAGCCATCCCAGCACACAAGCTCCCGGACC  
 GAATACTGCCAGGAAATTTGCTGTATCAGCAAAGATTCTGAAACCAAAATGGTGCCAGAAGTGTGCGT  
 GGTGAGAAATCCTTACACGGGCCATAAGTACCTGTGCGGGGCGCTTCAGACCAGCATTGTTCTATTAGAA  
 TGGGTTGAGCCAATGCAGAAATTTATGTTAATTAAGCACATAGAGTTTCTATGCCGTGTCCACTCCGGA  
 TGTTTGAGATGCTGGTGGTCCCTGAGCAGGAGTACCCTCTGGTCTGTGTTGGCGTCAGCAGAGGGCGAGA  
 CTTCAACCAAGTGGTTGCGTTTTGAGACGGTCAATCCCAATTCTACCTCGTCGTGGTTTACAGAGTCAGAT  
 GCCCGCAGACAAGCGTCACTCATGTGACCCAGCTGGAGAGAGACACCATCCTTGTGTGCTTGGATTGTT  
 GTAAAAAATAGTCAATCTCCAAGGAAGTTGAAATCCAGCAGGAAATTTGCATCAGAACTCACCTTCGA  
 TTTCCAGATAGAGTCCATAGTTTGTCTACAAGACAGTGTGCTAGCGTTCTGGAAACACGGGATGCAAGGT  
 AGAAGCTTTAGATCTAATGAGGTAACACAAGAAATTTTCAGATAACACAAGAATCTTCAGACTCCTTGGAT  
 CTGACAGGGTTGTGGTTTTGAAAGTCGGCCAAGTATAACCCAACAGCAATAGCAATTTATACATCTT  
 GGCGGGTCACGAAAACAGCTACTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001290345

<b>Insert Size:</b>	2685 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>	<u><a href="#">NM_001290345.1</a></u> , <u><a href="#">NP_001277274.1</a></u>
<b>RefSeq Size:</b>	4176 bp
<b>RefSeq ORF:</b>	2685 bp
<b>Locus ID:</b>	225028
<b>UniProt ID:</b>	<u><a href="#">Q99JP0</a></u>
<b>Cytogenetics:</b>	17 E3
<b>Gene Summary:</b>	<p>May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: The exon combination of this RefSeq is inferred because this gene lacks full-length transcript support. This exon combination is supported by tiling of partial mouse transcripts and by full-length orthologous alignments. CCDS Note: This CCDS representation has an inferred exon combination because this gene lacks full-length transcript support. This representation is supported by tiling of partial mouse transcripts and by full-length orthologous alignments.</p>