

Product datasheet for **MC222487**

Map4k3 (NM_001081357) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k3 (NM_001081357) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map4k3
Synonyms:	4833416M01Rik; 4833416M07Rik; 9530052P13Rik; Glk; MAPK3; RAB8IPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222487 representing NM_001081357
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCCGGGCTTCGATCTGTCCCGCCGGAACCCGAGGAGACTTCGAGCTGATCCAGCGCATCGGCA
 GCGGCACCTACGGCGACGTCTACAAGGCACGGAATGTCAACACTGGAGAATTAGCAGCAATTAAGTGAT
 AAAATTGGAACAGGAGAAGACTTTGCGGTTGTACAGCAAGAAATCATTATGATGAAAGACTGCAAACAC
 CCAAACATTGTTGCTTATTTGGAAGCTATCTCAGGCGAGATAAACTTTGGATTTGCATGGAATTCTGTG
 GAGGTGGCTCTTTACAGGACATATCATGTAAGTGGACCCCTTCAGAACTGCAGATTGCATATGTTAG
 CAGAGAACTCTACAGGATTGTATTACCTTCACAGTAAAGGAAAAATGCACCGAGATATAAAGGGCGCT
 AACATTCTCTAACGGATAATGGTCACGTGAACTAGCTGATTTTGGAGTTTCTGCACAGATAACAGCTA
 CAATTGCCAAACGGAAGTCCCTTCATTGGAACGCCATATTGGATGGCCCCAGAAGTCGCGGCTGTTGAGAG
 GAAAGGCGGGTACAATCAACTGTGTGACCTCTGGGCGGTGGGCATCACTGCCATCGAGCTGGCGGAGCTC
 CAGCCACCATGTTTACCTTCACCCGATGAGGGCATTGTTTCTAATGACAAAAAGCAATTTCCAGCCTC
 CTAAACTAAAAGATAAGTTGAAGTGGTCAAATAGTTTCCATCATTGTTGTAAGATGGCTCTTACAAAAA
 TCCAAAGAAAAGACCCAAATGCAGAAAAGCTGTTACAGCATCCCTTTGTCACACAGCCTCTGACACGGTCT
 TTGGCAATCGAGTTGCTGGACAAAGTGAATAATCCAGACCATTCCACATACCACGATTTTGATGATGATG
 ACCCAGAGCCTCTTGTGGCCGTACCACATAGAATTCTTCAACGAGTAGAAAATGTGAGAGAAGAAAAAAC
 ACGCTCAGAGATAAACTTTGGCCAGGTAATAATTTGATCCGCCCTTAAGGAAGGAGACAGAGCCACATCAC
 GAACTCCCGACAGTGTGGTTTTTTCGACAGTTCAGAAGAAATATACTACACTGCAAGATCTAATCTGG
 ATCTGCAACTAGAGTACGGACAAGGACACCAAAGCCATTGCTTCTTAGGTGGCAACAAGATCTTCTGAA
 GTCTGTTGAAGAGGAATTACATCAGCGAGGACATGTGGCACACTTAGAAGATGACGAAGGCGACGATGAC
 GACTCTAAGCATTCAACCATGAAAGCAAAAAGTCCCGCCTCCTCTGCCACCAAAGCCTAAATCCATCTTCA
 TACCACAGGATACACATTCTGCTGAGGACGGTAATCAAGGAACAATCAAGAGATGTCCTCATCAGGGAG
 CCCGGCAAAGCCATCCCACGTTCCACCTAGACCACCTCCGCCAGGTTACCGCCACAGAAGCCTGCTGTT
 TTAGGAAATGGAGTGAATCCTTCCAGCTAAATGGTGAGCGAGACGGATCATTATATCAGCAGCAGAGTG
 AGCAAAGAGGCACAAACCTTTCAAGAAAGGAGAAGAAGGACGTCGCCGAAACCAATTAGTAATGGTCTTCC
 CCCAACACCTAAAGTGCATATGGGAGCGTGTTTTTCAAAGTTTTTAATGGATGTCCCTTAAAAATCCAC
 TGTGCCACATCCTGGATAAACCAGACAGAGAGACCAGTACTTGATATTTGGCGCTGAAGAGGGCATT
 ATACCCTTAATCTCAATGAACTTCATGAAACATCAATGGAACAGCTGTTCCCGCGAGGTGTACGTGGCT
 GTATGTGATGAACAATTGCCTGCTGTCAGTCTCGGGCAAAGCCTCTCAGCTTTACTCCCAAACTTACCG
 GGGCTTTTCGATTATGCAAGACAGATGCAGAAGCTTCCAGTAGCCATCCCAGCACACAAGCTCCCGGACC
 GAATACTGCCAGGAAATTTGCTGTATCAGCAAAGATTCTGAAACCAAAATGGTGCCAGAAGTGTGCGT
 GGTGAGAAATCCTTACACGGGCCATAAGTACCTGTGCGGGGCGCTTCAGACCAGCATTGTTCTATTAGAA
 TGGGTTGAGCCAATGCAGAAATTTATGTTAATTAAGCACATAGAGTTTCTATGCCGTGTCCACTCCGGA
 TGTGTTGAGATGCTGGTGGTCCCTGAGCAGGAGTACCCTCTGGTCTGTGTTGGCGTCAGCAGAGGGCGAGA
 CTTCAACCAAGTGGTTCGGTTTTGAGACGGTCAATCCCAATTCACCTCGTCGTGGTTTTACAGAGTCAGGT
 GCCAATGCCCGCAGACAAGCGTCACTCATGTGACCCAGCTGGAGAGAGACCATCCTTGTGTGCTTGG
 ATTGTTGTATAAAAAATAGTCAATCTCCAAGGAAGTTGAAATCCAGCAGGAAATGTCATCAGAACTCAC
 CTTTCGATTTCCAGATAGAGTCCATAGTTTGTCTACAAGACAGTGTGCTAGCGTTCTGAAACACGGGATG
 CAAGGTAGAAGCTTTAGATCTAATGAGGTAACACAAGAAATTTAGATAACACAAGAATCTTCAGACTCC
 TTGGATCTGACAGGGTTGTGGTTTTGAAAGTCGGCCAACTGATAACCCAACAGCAAATAGCAATTTATA
 CATCTTGGCGGGTCACGAAAACAGCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081357

Insert Size:	2691 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>NM_001081357.1</u> , <u>NP_001074826.1</u>
RefSeq Size:	4231 bp
RefSeq ORF:	2691 bp
Locus ID:	225028
Cytogenetics:	17 E3
Gene Summary:	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]