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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; MAPKKKK3; MEKKK 3; MEKKK3; RAB8IPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC229130 representing NM_001290345
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAACCCGGGCTTCGATCTGTCCCGCCGGAACCCGCAGGAGGACTTCGAGCTGATCCAGCGCATCGGCA
GCGGCACCTACGGCGACGTCTACAAGGCACGGAATGTCAACACTGGAGAATTAGCAGCAATTAAAGTGAT
AAAATTGGAACCAGGAGAAGACTTTGCGGTTGTACAGCAAGAAATCATTATGATGAAAGACTGCAAACAC
CCAAACATTGTTGCTTATTTTGGAAGCTATCTCAGGCGAGATAAACTTTGGATTTGCATGGAATTCTGTG
GAGGTGGCTCTTTACAGGACATATATCATGTAACTGGACCCCTTTCAGAACTGCAGATTGCATATGTTAG
CAGAGAAACTCTACAGGGATTGTATTACCTTCACAGTAAAGGAAAAATGCACCGAGATATAAAGGGCGCT
AACATTCTCCTAACGGATAATGGTCACGTGAAACTAGCTGATTTTGGAGTTTCTGCACAGATAACAGCTA
CAATTGCCAAACGGAAGTCCTTCATTGGAACGCCATATTGGATGGCCCCAGAAGTCGCGGCTGTTGAGAG
GAAAGGCGGGTACAATCAACTGTGTGACCTCTGGGCGGTGGGCATCACTGCCATCGAGCTGGCGGAGCTC
CAGCCACCCATGTTTGACCTTCACCCGATGAGGGCATTGTTTCTAATGACAAAAAGCAATTTCCAGCCTC
CTAAACTAAAAGATAAGTTGAAGTGGTCAAATAGTTTCCATCATTTTGTGAAGATGGCTCTTACCAAAAA
TCCAAAGAAAAGACCCAATGCAGAAAAGCTGTTACAGCATCCCTTTGTCACACAGCCTCTGACACGGTCT
TTGGCAATCGAGTTGCTGGACAAAGTGAATAATCCAGACCATTCCACATACCACGATTTTGATGATGATG
ACCCAGAGCCTCTTGTTGCCGTACCACATAGAATTCCTTCAACGAGTAGAAATGTGAGAGAAGAAAAAAC
ACGCTCAGAGATAAACTTTGGCCAGGTAAAATTTGATCCGCCCTTAAGGAAGGAGACAGAGCCACATCAC
GAACTTCCCGACAGTGATGGTTTTTTCGACAGTTCAGAAGAAATATACTACACTGCAAGATCTAATCTGG
ATCTGCAACTAGAGTACGGACAAGGACACCAAAGCCATTGCTTCTTAGGTGGCAACAAGAGTCTTCTGAA
GTCTGTTGAAGAGGAATTACATCAGCGAGGACATGTGGCACACTTAGAAGATGACGAAGGCGACGATGAC
GACTCTAAGCATTCAACCATGAAAGCAAAAGTCCCGCCTCCTCTGCCACCAAAGCCTAAATCCATCTTCA
TACCACAGGATACACATTCTGCTGAGGACGGTAATCAAGGAACAATCAAGAGATGTCCCTCATCAGGGAG
CCCGGCAAAGCCATCCCACGTTCCACCTAGACCACCTCCGCCCAGGTTACCGCCACAGAAGCCTGCTGTT
TTAGGAAATGGAGTGAACTCCTTCCAGCTAAATGGTGAGCGAGACGGATCATTATATCAGCAGCAGAGTG
AGCAAAGAGGCACAAACCTTTCAAGAAAGGAGAAGAAGGACGTCCCGAAACCAATTAGTAATGGTCTTCC
CCCAACACCTAAAGTGCATATGGGAGCGTGTTTTTCAAAGGTTTTTAATGGATGTCCCTTGAAAATCCAC
TGTGCCACATCCTGGATAAACCCAGACACGAGAGACCAGTACTTGATATTTGGCGCTGAAGAGGGCATTT
ATACCCTTAATCTCAATGAACTTCATGAAACATCAATGGAACAGCTGTTCCCCCGCAGGTGTACGTGGCT
GTATGTGATGAACAATTGCCTGCTGTCAGTCTCGGGCAAAGCCTCTCAGCTTTACTCCCACAACTTACCG
GGGCTTTTCGATTATGCAAGACAGATGCAGAAGCTTCCAGTAGCCATCCCAGCACACAAGCTCCCCGACC
GAATACTGCCCAGGAAATTTGCTGTATCAGCAAAGATTCCTGAAACCAAATGGTGCCAGAAGTGCTGCGT
GGTGAGAAATCCTTACACGGGCCATAAGTACCTGTGCGGGGCGCTTCAGACCAGCATTGTTCTATTAGAA
TGGGTTGAGCCAATGCAGAAATTTATGTTAATTAAGCACATAGAGTTTCCTATGCCGTGTCCACTCCGGA
TGTTTGAGATGCTGGTGGTCCCTGAGCAGGAGTACCCTCTGGTCTGTGTTGGCGTCAGCAGAGGGCGAGA
CTTCAACCAAGTGGTTCGGTTTGAGACGGTCAATCCCAATTCTACCTCGTCGTGGTTTACAGAGTCAGAT
GCCCCGCAGACAAGCGTCACTCATGTGACCCAGCTGGAGAGAGACACCATCCTTGTGTGCTTGGATTGTT
GTATAAAAATAGTCAATCTCCAAGGAAGGTTGAAATCCAGCAGGAAATTGTCATCAGAACTCACCTTCGA
TTTCCAGATAGAGTCCATAGTTTGTCTACAAGACAGTGTGCTAGCGTTCTGGAAACACGGGATGCAAGGT
AGAAGCTTTAGATCTAATGAGGTAACACAAGAAATTTCAGATAACACAAGAATCTTCAGACTCCTTGGAT
CTGACAGGGTTGTGGTTTTGGAAAGTCGGCCAACTGATAACCCAACAGCAAATAGCAATTTATACATCTT
GGCGGGTCACGAAAACAGCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001290345

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Insert Size:	2685 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001290345.1, NP_001277274.1
RefSeq Size:	4176 bp
RefSeq ORF:	2685 bp
Locus ID:	225028
UniProt ID:	Q99JP0
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] 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.

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