

## Product datasheet for MC223133

### Map3k21 (NM\_145608) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Map3k21 (NM\_145608) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Map3k21  
**Synonyms:** mKIAA1804; Milk4  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223133 representing NM\_145608  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTACCTGTAGCCGAGGGCACGGCTGACACGCCGCTGTCCCCGGCCCGGGACGACTCGGGGAGTA  
 CCTCCTCCGGGATGTGGCCGCGCTTTATGATTACGAAGCGCGCGGTGAGGACGAGCTGAGCCTGAGGCG  
 CGGTACAGTGGTTCGAGGTACTGTGCGAGGACGCCGCGGTGTCAGGAGACGAGGGTGGTGGCCGCGCAA  
 GTGCAGCGGGCCCTGGGCATCTTCCGGCCAGCTACGTGGCGCCCTGTGGCCCGGTGCCCGCCGCGCGC  
 CGCCCCCGCCGAGACCTGCTCGCTGTGCACGTAGACTTCGAGCGCCTGGAGCTCAAGGAGCTGATCGG  
 CGCCGGCGGCTTCGGTACGGTGTACCGCGCCACCTGGCAGGGCCAGGAGGTGGCGGTGAAGGCGGCGCGC  
 CGGGACCCGGAGCAGGACGCGCGCGCGCGGCCGAGAGCGTACGGCGGAGGCGCGGCTCTTCGCTATGC  
 TGCGGCACCCCAACATCATCCAGCTGCGGGGTGTGTGCTGCGGCAGCCGACCTCTGCCTGGTGTGGA  
 GTTCGCGCGTGGCGGCGCGCTCAACCGCGCGTGGCGGCGCAGCATCGGATCCGCGAGCGCCCGGCCCC  
 CGCCGCGCGCGCGCATCCCCCACAGTTCTGGTCAACTGGGCGGTGCAGATCGCCCGGCGATGCTGT  
 ACCTGCACGAGGAGGCGGTGGTGGCCATCCTGCACCGTGACCTCAAGTCCAGCAACATTTGCTGGA  
 GAAGATAGAACATGATGACATTTGCAACAAGACCCTGAAGATCACGGACTTTGGGCTAGCGAGGGAATGG  
 CACAGGACCACCAGGATGAGCGCAGCAGGACCTACGCCTGGATGGCTCCCGAGGTCATCAGGTCCTCCC  
 TGTTCCTCAAGGGCAGCGACATCTGGAGCTATGGAGTGTGTTGTGGGAGCTGCTCACTGGTGGAGTCCC  
 GTACCGTGGCATCGATGGACTGGCTGTGGCGTACGGGGTGGTGTCAACAAGCTCACACTGCCTATTCCA  
 TCCACCTGCCCTGAACCGTTTGCAAAACTCATGAAAGAGTGTGGGAACAAGACCCTCATATCCGCCCT  
 CGTTTGCCTTAATTCTTCAGCAGCTGACTGCGATCGAAGAGGCAGTGTGACCAACATGCCCCAGGAGTC  
 CTTCCATTCCATGCAGGAAGACTGGAACTGGAGATTAGCAAAATGTTTCAGTGGAGCTGCGAACCAAGGAG  
 AAGGAGCTGCGTTCCCGAGAGGAGGAGCTGAGCCGAGCTGCCTTGAACAGAAATCGCAGGAACTGCTGC  
 TCAGACGCGCGAGCAGCAGCTCGCGGAGCGTGAGATCGACGTGCTGGAGCGCGAGCTGAACGTGCTCAT  
 CTTCCAGCTGAGCCAGGAGGCTCCCCACGTGAAGAAGAGGAAGGGAAAGTTTCAGGAGAGGACGGCTGAGG  
 CTCAAAGACGGCCACCGCATCAGCCTGCCTTCCAGTTCAGCACAAGATCACAGTGCAGGCTTCCCCGA



CGCTGGACAAGCGCCGAAGCTCAGACAGCGGACTGTGCAGCCACCCGGCAGCCCCTTGATGCTCCCCCG  
 CCTCCGGGCTATTCAGTTAACTTCAGATGAGAACAATAAAACCCGGGGAAGGAACATGGTCTTCCGCCAA  
 GAAGACTTTGAAGACGTGAAAAGGAGTTTCAAGAAAAAAGGATGTACGTGGGACCAAGCTCCGTTCAA  
 CAAAGGAAAGACCAGAAGGCAGAGAGGGTGCAGACCTCTCTCAGATGGCAACAGCCCTTGGTCATCTCT  
 TTTAATAAAAAGCCAGAAAACCACCCCTTGGCTTCACTGTTTGTGGACCAGCCAGGTTCTTGTGAGGAG  
 CAGAAACTTGTCCCTGAAGGATTAGAACATAGAAAACCAAGCAAACGAAGTTCCCTGGCCAGGCCACG  
 TTGGTCTACCTCTTTGCAAAGACAGCCAGAGAGAAGACTCATCAGAGGCTGAGAGTCGGGAGGAGGGATC  
 CCTAAGGGGTCCCGGTGAACAACGTGGGTGCACCCATGCTGAGGAAGAAAACGGAGTCAGCGCTGTGT  
 GAGTGTGGGATGCTGCTGGCATCGATGGCTTTGGGACTGGATGTCAGGAACTTACGGAGCCAGGCC  
 CCGCAAAACCATCACCAAGATGGAAGAAGGAAGGGTGCCTCCAACCTGCCTCCAGGTGCCAATC  
 AAGTCCCAGTTCCTTCTGAGGCAGCCATCTGCAGGCAGGGCACCCAGCGGTGGCTCCACGCTCCTGCTG  
 CCCAGTGCCTCAAGCCATTCTCAAAGTCTTCTCTCCATGAAGTGTGCTGCAGGCTGGTAAGGAGG  
 AGTCATCTTTGGGAATGCTCGGACTTGTGTGGTCTACGACGCTCACTCCAGATCCTGGCTCTGCCG  
 ACCAGAGAGCGGCTGTGAACTCATCCCGGACTGAGACCTAAGACTGACTATGGTGTGTTGAGAAGCATG  
 CCGCATGCCATCCTGGAGCAGACAGGGGAGAGACTGCCAGGCTGTGCCATTGTAGGAGACAAAGGATGCC  
 ACCACATGCAGATGGGATCTGAAGAACTCCTCTCTGGCTCCAAAGTGCCCTGAAGACTCTGGATTACC  
 ACACTCTCCCTCCCTGGACCTCAAAGGGACCTGGCCAGCCAGGCTCTCTTGTGAAACCTGAAGGTGTT  
 CTGGGCGAGTGCCAGGCATGCCCGGCTCTGCCAAAAGGCCACACACTGCTTCGGTGAGAACAACATCTC  
 CACCTACCTGGGTTTGTGACAAGGACCATCAGGTGCCAGCCCTTGCTGCTTGGTGTCTCAGGAGAG  
 AAGCAGGTGTGACTCCTTCTTGTGGATGCCAGCATAGAAGTGCAGAAAGGACTGTGCCATGCC  
 TTGTGTAGAGTGAAGAGCGTGATGTGTCAGCCGTCCATCTACGCCCTGGAGAAAGACTTTCTGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_145608
- Insert Size:** 3009 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:**
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\\_145608.2](#), [NP\\_663583.2](#)
- RefSeq Size:** 5692 bp
- RefSeq ORF:** 3009 bp
- Locus ID:** 234878

UniProt ID: [Q8VDG6](#)

Cytogenetics: 8 E2

Gene Summary: Negative regulator of TLR4 signaling. Does not activate JNK1/MAPK8 pathway, p38/MAPK14, nor ERK2/MAPK1 pathways (By similarity).[UniProtKB/Swiss-Prot Function]