

Product datasheet for **MC221868**

Map4k1 (NM_008279) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k1 (NM_008279) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map4k1
Synonyms:	Hpk1; mHPK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221868 representing NM_008279
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTTGTGGACCCCGACATTTTTAATAAGGACCCTCGAGAACACTATGATCTACTGCAACGACTGG
 GTGGTGGAACTTATGGAGAAGTATTCAAGGCTCGCGACAAGGTGTCTAAGGACCTGGTGGCTTTGAAGAT
 GGTGAAGATGGAGCCTGATGATGACGTCGCCACCCCTTCAGAAGGAGATTCTCATGCTGAAAACTGCCGG
 CACGCCAACATCGTGGCTTACCATGGCAGTTACCTCTGGCTGCAGAAGCTGTGGATCTGCATGGAATTCT
 GTGGAGCTGGTTCTCCAGGACATCTACCAAGTACTGGCTCTCTGTCCGAGCTCCAGATCAGCTATGT
 GTGCCGGGAAGTCTTCAGGGACTGGCTACCTGCATTACAGAGAAGAAGATACATCGAGACATCAAGGGA
 GCCAACATCCTCATCAACGACTCGGGGAGGTTAAGCTGGCTGACTTTGGGATCTCAGCCCAGATTGGGG
 CGACACTGGCCCCGGCCTTTCTTTTATTGGGACACCGTACTGGATGGCTCCAGAGGTGGCAGCGGTGGC
 CCTGAAGGGTGGATAACAATGAGCTGTGCGACATCTGGTCTTTGGCATCACAGCCATCGAGCTGGCTGAG
 CTTCCAGCCCCCTCTTTGATGTGCACCCTCTCAGGGTTCTTCTCCTCATGACCAAGAGCGGGTACCAGC
 CTCTCGGCTGAAGGAAAAGAGCAGATGGTCATCTTCTTCCACAACCTTTGTCAAAGTACCCCTCACTAA
 GAACTCCAAGAAACGCCCAAGTCCACCAAGATGCTCAGTCATCAGCTGGTGTCCAGCCAGGGCTGAAC
 AGAGGCCCTGATCTTGGATCTTCTTGACAAAATGAAGAATCCTGGGAAGGGGCTGCCTGTTGATATTGAAG
 ATGAGGAGCCTGAGCCACCCCTGCCATCCCTCGGCGGATCAGATCTACCTACCGGGCCAGCTCACTAGG
 GATCCCAGATGCAGACTGCTGCCGGAGGCAAATGGAGTCCAGAGGCCAGATGCGTGGACTGCAGACCT
 CAGGCTGAAACTGTTTCGCTTATATCCCCTGCACACTTCGGGAGCACCAGTCCCAGGAGTCACTGTCAG
 ATTTGATGACGACTATGATGATGTGGACATCCCTGCCCTTCAGAGAACATACTCCTCCACTGCCCCC
 CAAGCCCCAAGTTTCGGTCTCCATCAGATGATGGTCTGGAGGAATTAGGGACGATGGGCAATTGAGCCCA
 GGGGTTCTGGTTCGATGTGCAAGTGGGCCCCCTCCACGTACTCCCCGACCTGGACCTCCCCAGCGACCT
 GCAGCCCTCACCTCACAGCTCGCTCAGATCCCTCATTGTGGAACCCAGCTGCTCCGGAGCCAGGCCAGCC
 CCCACTCGTACCCCAAGGAAGGAAAAGATGAGGGGAAAGATGGAGAACGAGAAGCGCAGAGAGAAATAT
 CCCCTTCTTGAAAATTATTCAATGGCTGTCCCCTTCAGATCCACAGCACAGCTGCCTGGACACATCCCT
 CTACAAAAGATCAGAACCTGCTCCTGGGGCAGAGGAAGGCATTTTCATACTGAACCGGAATGATCAGGA
 GGCCACGCTGAAATGATCTTCCCTGGCCGCACAACCTGGCTCTATTGCATCAACAACCTCCTCATGTCT
 CTCTCAGGAAGACACCCTACCTGTATTCTCATAGCATCTGGGCTGCTTGAAAGGAAAGACGGCAGAA
 CGGGAAGCCCCATTGCTCACATTAGCCCTACCGGTTACTGGCAAGAAAGAACATGGTCTCCAGTAAGAT
 CCAGGACACCAAAGGCTGCCGGGCTTGCTGTGTGGCTGAGAGTGCTAGCTCTGGGGGCCATTCTTATGT
 GGGGCAATTGGAGACGCTGTGGTTTTGCTCCAGTGGTACCAACCAATGAACAAATTTCTTGCTGTCCGGC
 AGGTGCTGTTCCCGCTGCCACGCCGCTGCCGGTGTTCACGCTGCTGACAACGCCGGGCTCCGAGCTGCC
 AGCTGTGTGCATCGGCGTGAGCCCGGGCAGGCGGCAAAGTCCGTGCTCTTCCACACCGTGCCTTCGGT
 GCGCTGTCTGCTGGCTGGACGACTCCAGCAGGAGCACAAAGGACCAGTGCAGGTGATCCAAGTAAAGG
 AAGACATGGTGTGGTGTGATGGATGGCTCTCTAAAGCTAGTGACCCAGAGGGGGCACCAGCTCCTGG
 GCTCCGCACCCCTGAGATCCCCATGACAGAAGCGGTCGAGGCTGTGGCTATGGTTGAAGATCGACTCGAG
 GCCTTCTGGAAGCATGGAGTTCAGGTGTGGGCTCCAGGCTTGAACAGCCGCTGCAGGAGCTGAGAGACC
 CCACCCTCACCTTCCGTCTGCTCTGCTCCCCAGGCCGTAAGTGGTGGAGACAAGGCCACCGATGACCC
 TACGGCCCCAGCAACCTCTACATCCAGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_008279
Insert Size: 2484 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:	NM_008279.2 , NP_032305.2
RefSeq Size:	2699 bp
RefSeq ORF:	2484 bp
Locus ID:	26411
UniProt ID:	P70218
Cytogenetics:	7 B1
Gene Summary:	Serine/threonine-protein kinase, which may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation. Able to autophosphorylate. [UniProtKB/Swiss-Prot Function]