

Product datasheet for **MC218285**

Map4k1 (BC005433) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k1 (BC005433) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map4k1
Synonyms:	Hpk1; mHPK1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC005433
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCTTGTGGACCCCGACATTTTTAATAAGGACCCTCGAGAACACTATGATCTACTGCAACGACTGG
 GTGGTGGAACTTATGGAGAAGTATTCAAGGCTCGCGACAAGGTGTCTAAGGACCTGGTGGCTTTGAAGAT
 GGTGAAGATGGAGCCTGATGATGACGTCGCCACCCCTTCAGAAGGAGATTCTCATGCTGAAAACTGCCGG
 CACGCCAACATCGTGGCTTACCATGGCAGTTACCTCTGGCTGCAGAAGCTGTGGATCTGCATGGAATTCT
 GTGGAGCCGGTTCTCCAGGACATCTACCAAGTACTGGCTCTCTGTCCGAGCTCCAGATCAGCTATGT
 GTGCCGGGAAGTCTCAGGGACTGGCTACCTGCATTACAGAGAAGAAGATACATCGAGACATCAAGGGA
 GCCAACATCCTCATCAACGACTGCGGGGAGGTTAAGCTGGCTGACTTTGGGATCTCAGCCAGATTGGGG
 CGACACTGGCCCCGGCCCTTTCTTTTATTGGGACACCGTACTGGATGGCTCCAGAGGTGGCAGCGGTGGC
 CCTGAAGGGTGGATAACAATGAGCTGTGCGACATCTGGTCTTTGGCATCACAGCCATCGAGCTGGCTGAG
 CTTAGCCCTCTCTTTGATGTGCACCCTCTCAGGGTTCTTCTCTCATGACCAAGAGCGGGTACCAGC
 CTCTCGGCTGAAGGAAAAGAGCAGATGGTCATCTTCTTCCACAACCTTTGTCAAAGTACCCCTCACTAA
 GAACTCCAAGAAACGCCCAAGTCCACCAAGATGCTCAGTCATCAGCTGGTGTCCAGCCAGGGTGAAC
 AGAGGCCCTGATCTTGGATCTTCTTGACAAAATGAAGAATCCTGGGAAGGGGCTGCCTGTTGATATTGAAG
 ATGAGGAGCCTGAGCCACCCCTGCCATCCCTCGGCGGATCAGATCTACCTACCGGGCCAGCTCACTAGG
 GATCCCAGACGCAGACTGCTGCCGGCGGCAATGGAGTCCAGAGGCCAGATGCGTGGACTGCAGACCT
 CAGGCTGAAACTGTTTCGCTTATATCCCCTGCACACTTCGGGAGCACCAGTCCCAGGAGTCAGCTGTCAG
 ATCTGATGACGACTATGATGATGTGGACATCCCTGCCCTTCAGAGAACATAACCTCCTCCACTGCCCCC
 CAAGCCCAAGTTTCGGTCTCCATCAGATGATGGTCTGGAGGAATTAGGGATGATGGGCAATTGAGTCCA
 GGGGTTCTGGTTCGATGTGCAAGTGGGCCCTCCACGTAATCCCGACCTGGACCTCCCCAGCGACCC
 GCAGCCCTCACCTCACAGCTCGCTCAGATCCCTCATTGTGGAACCCAGCTGCTCCGGAGCCAGGCCAGCC
 CCCACTCGTACCCCAAGGAAGGAAAAGATGAGGGGAAAGATGGAGAACGAGAAGCGCAGAGAGAAATAT
 CCCCTTCTGTGAAATATTCAACGGCTGTCCCCTCCAGATCCACAGCACAGCTGCCTGGACACATCCCT
 CTACAAAAGATCAGAACCTGCTCCTGGGGCAGAGGAAGGCATTTTCATACTGAACCGGAATGATCAGGA
 GGCCACGCTGAAATGATCTTCCCTGGCCGCACAACCTGGCTCTATTGCATCAACAACCTCCTCATGTCT
 CTCTCAGGAAGACACCCTACCTGTATTCTCATAGCATCTGGCCTGCTTGAAAGGAAAGACGGCAGAA
 CAGGAAGCCCCATTGCTCACATTAGCCCTACCGGTTACTGGCAAGAAAGAACATGGTCTCCAGTAAGAT
 CCAGGACACCAAAGGCTGCCGGGCTTGCTGTGTGGGTGAGAGCCAGCTTCCCTCCGGGTGCAGAGTGATG
 GGGCGGGCCGGTGCCTGGCCAGTGTCTACTCAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: BC005433

Insert Size: 1926 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: [BC005433](#), [AAH05433](#)

RefSeq Size: 2783 bp

RefSeq ORF: 1925 bp

Locus ID: 26411

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]