

Product datasheet for **RN202009**

Map4k1 (NM_001106243) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k1 (NM_001106243) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map4k1
Synonyms:	Hpk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN202009 representing NM_001106243
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCCTTGTGGACCCTGACATCTTTAATAAGGACCCTCGAGAACACTATGATCTACTGCAGCGACTGG
 GTGGTGGAACTATGGAGAAGTGTCAAGGCTCGCGACAAGGTGTCTAAGGACCTAGTGGCTTTGAAGAT
 GGTGAAGATGGAGCCTGATGATGACGTCTTACCTTCAGAAGGAGATTCTCATGCTGAAATCTTGCCGG
 CACGCCAACATCGTGGCTTACCATGGCAGTTACCTCTGGCTTCAGAAGCTATGGATCTGCATGGAATTTT
 GTGGAGCCGGTCCCTCCAGGACATCTACCAAGTGACCGGCTCTGTGCCGAGCTCCAGATCAGCTATGT
 GTGCCGGGAAGTGTGCAGGGACTGGCTACCTGCATTACAGAAGAAGATACATCGAGACATCAAGGGA
 GCCAACATCCTCATCAATGACTCCGGGGAGGTTAAACTGGCTGACTTTGGGATCTCAGCCCAGATTGGGG
 CAACACTGGCCCCAGCCTGTCTTTCATTGGAACACCATACTGGATGGCTCCAGAGGTGGCAGCTGTGGC
 CCTGAAAGGTGGATAACAATGAGCTGTGTGACATCTGGTCTTTGGCATCACAGCCATCGAGCTGGCCGAG
 CTTCCAGCCCCCTCTTTGATGTGCACCCCTCAGGGTCTCTTCTCATGACCAAGAGCGGCTACCAGC
 CTCGCGGCTAAAGGAAAAGGGCAAATGGTCTCTTCTTCCACAACCTTTGTCAAAGTACCCTCACTAA
 GAACTCCAAGAAACGCCCAAGTCCACCAAGATGCTCAGTCATCAGCTGGTGTCCAGCCAGGACTGAAC
 AGAGGCCCTGATCTTGGATCTTCTTGACAAAATGAAGAATCCTGGGAAAGGGCTGCCCGTTGAGATTGAAG
 ATGAGGAGCCTGAGCCTCCCCCTGCCATCCCTCGGCGGATCAGATCTACCTACCGGGCCAGCTCGTGGG
 GATTCCAGACGCAGATTGCTGTCCGGCGGCATGGAGTCCAGAGGCCAGATGTGTGGAATGCAGATCT
 CAGGCTGACACTGTTCTTTACAGCCCTCTGCAGACTTCAGGAGCACCAGTCCCAGGACCAACTCTCAG
 ACTCTGATGACGACTATGATGATGTGGACATTCCTGCCCTTCAGAGAACCTACCTCTCCCTGCCCCC
 CAAGCCCAAAATTCGGTCTCCATCAGATGATGGTCTGGAGGAGTTAGGGACGACGGGCAACTGAGCCCA
 GGGGTGTGTGCCGTGCGCCAGTGGCCCTCTCCACGATTCCCCGTCCTGGACCTCCCCAGCCACCC
 GCAGCCCTCATCTCACAGCCGTTCAGATCCCTCGCTATGGAACCCAGCTGCCCGGAGCCAGGCCAGCC
 CCCACTCTACCCCTAGGAAGGAAAAGATGAGGAAAAGATGGAGAACGAGAAGCGCCGAGAGGAATAC
 ACCCTTCTTGAAAATTGTTCAACGGCTGTCCCCTCCAGATCCACAGTACGGCTGCCTGGACACATCCCT
 CGACGAAAGACCAGCATCTGCTCCTGGGTGCAGAGGAAGGCATTTTCATACTGAACCGGAATGATCAGGA
 GGCCACGCTGAAAATGATCTTCTGGCCGCAACAACCTGGCTGTACTGCATCAACAACCTCTCATGTCT
 CTCTCAGGGAAGACCCCACTGTATTCTCATAGTATCCTGGCCTTCTGGAAAGAAAAGAGGTGAGAA
 CAGGAAGCCCCATCGCTCACATCAGCCCTACCGGTTCTGGCAAGAAAGAACATGGTCTCCAGTAAGAT
 CCAGGACACCAAAGGCTGCCGGGCTTGTGTGTGGCCGAGGGTGCCAGCTCTGGGGGCCATTCTGTGT
 GGAGCATTGGAGACCTCTGTGGTTCTGCTCCAGTGGTACCAGCCAATGAACAAATTTCTGCTGTCCGGC
 AGGTGTTGTTCCCGCTGCCACGCCACTGCCGGTGTTCGCGCTGCTGACAACGCCCGGCTCCGAGCTGCC
 GGCTGTGTGCATCGGCGTGAGCCCGGGCAAGCGGCAAAGTCCGTTACTCTTCCACACCGTGCCTTCGGT
 GCCTTGTCTGCTGGCTGGACGACTCCAGCACCAGCACAAGGGACCAGTGCAGGTGATCCAAGTAAAGG
 AAGACATGGTGTGGTGTGATGGATGGCTCTCTGAAGCTAGTGACCCCGAGGGGGCACCAGCTCCCGG
 GCTTCGCACCCCTGAGATCCCCATGACAGAAGCGGTCGAGGCTGTGGCAATGGTTGGAGATCGACTCCAG
 GCCTTCTGGAAGCACGGAGTTCAGGTGTGGGCTCCAGACTCGGAACAGCCGCTGCAGGAGCTGAGAGATC
 CCACCCTCACCTTCCGTCTGCTCTGCTCCCGAGGCTGTAGTGGTGAACACGGCCACGGATGACCC
 TACCGCCCCAGCAACCTCTACATCCAGGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001106243
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:	<u>NM_001106243.1</u> , <u>NP_001099713.1</u>
RefSeq Size:	2699 bp
RefSeq ORF:	2484 bp
Locus ID:	292763
Cytogenetics:	1q21