

Product datasheet for **RN217351**

Map3k10 (NM_001191621) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k10 (NM_001191621) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map3k10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN217351 representing NM_001191621

Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGGAGGAGGAGGAGGGGCGGCCAGAGAGTGGGCGCGACCCCGCGGGGCCAGTGTGGACCGCCG
TGTTGACTACGAGGCGGTGGGCGACGAGGAGCTGACCTGCGGAGAGGCGATCGCGTCCAGGTGCTTTC
CCAGGACTGTGCGGTGTCTGGAGATGAGGGCTGGTGGACAGGGCAGCTGCCAGCGGCCGAGTGGGCGTC
TCCCCAGCAACTACGTGGCCCCGCTGCACCCGCTGCACCCACAGACCTCCAGTGCACAGGAGATCC
CCTTTCAGGAGTGCAGCTGGAGGAGATCATCGGTGTGGGGGCTTTGGCAAGGTCTACCGCGCTTATG
GCGTGGAGAGGAAGTAGCGGTCAAGGCCCGCGCTGGACCTGAACGGGACCCAGCAGTGACAGCGGAG
CAGGTGCGCCAGGAGGCCCGCTCTTTGGAGCCCTTCAGACCCCAACATCATTGCCCTGAGGGGCGCT
GCCTCAGCCCCCAAACCTCTGCCTGGTATGGAATATGCTCGGGGAGGTGCATTGAGCAGGGTACTGGC
AGGTGCGCGGGTCCCCCTCATGTGCTGGTCAACTGGGCTGTGCAGGTGGCACGGGGCATGAATATCTG
CACAATGATGCCCTGTACCCATCATTCACCGGACCTCAAGTCCATCAACATCCTAATTCTGGAGGCCA
TTGAGAACCACAACCTCGCTGACACGGTGTCAAGATCACAGACTTCGGCCTTGCCCGAGAGTGGACAA
GACGACAAAAATGAGTGGCGGGGGACCTACGCTGGATGGCTCCTGAGGTTATCCGCTCTCCCTCTTC
TCCAAAGCAGCGATGTCTGGAGCTTCGGGGTCTTCTTTGGGAGCTGCTGACCGGGGAGTCCCCAC
GAGAAATCGACGCTTGCGCGTGGCTTACGGTGTGGCTATGAACAAGCTGACGCTACCCATCCCCAC
GTGCCCCGAGCCCTTTGCCCGCTACTGGAGGAATGCTGGGACCCAGACCTCATGGGCGACAGATTTT
GGCAGCATCTTGAAGCAGCTGGAGGTATCGAGCAGTCAAGCCCTGTTCCAGATGCCACTGGAGTCCCTCC
ACTCACTGCAGGAAGACTGGAAGCTGGAGATTCAGCATATGTTTCGATGACCTTCGACCAAGGAGAAGGA
ATTGCGCAGCCGTGAAGAAGAGCTGTTGCGGGCCGCACAGGAGCAGCGTTTTTCAGGAAGAGCAGCTGCGG
CGCGGGGAGCAGGAGCTGGCCGAGCGAGAGATGGACATTGTAGAAGTGAAGTGCACCTGCTCATGAGCC
AGCTGAGCCAGGAGAAGCCAGGGTCCGCAACGCAAGGGCAACTTCAAACGAGCCGCTTGCTCAAGCT
ACGGGAAGGCAGCAGCCACATCAGCTGCCCTCCGATTTGAACACAAGTCACTGTCCAGGCTCCCCC
ACCCTGGACAAGAGGAAAGGATCTGATGGGGCAGCCCTCCTGCCAGCCCAGCATATTTCCCGGCTGA
GGGCCATTCGCTTGACCCCGTAGACTGTGGCAGCAGCGTGGCAGTGAACATGGAGCCGAGTGGGCC
ACCAAAAAAGGAAGAACTGGTTGGGGCAAGAAGAAAGGCAGGACGTGGGGTCCAGTTCTACTTTACAA
AAGGAGCGGGCCGAGGAGAGGAGAGGCTCAAGGCCCTGGGGGAAGGAAGCAAGCAGTGGTCTCGAGCG
CCCCAACCTGGGCAATCCCCTAAGCACACCCCATGGCCCCAGGCTTGCCAGCCTCAATGAGATGGA
AGAATTTGCGGAGGCAGATGAAGGCAACACGTGCCCCCTTCCCCTACTCCACCCCGTCTACCTCAAG
GTGCTCTGCCCGCCGAGGCTCTCCTTGCTGCTCAGCCGCTTGGGAGCCGCGGCTGCGACCCCTCCC
GGCCGGGACACGAGCTCGGAGGCGCTGTGATCTGGCTGCTGCGGCTGCGCCACGCTGCTGAGTGGGT
GGGCTGGGCGCCGACGTTGCCGAGGCACGGGCCGGGGATGGTGAGGAGCAGCGGGGCTGGCTGGACGT
CTCTTCTCCACGCCCCGCGCTTCCCTCGGGTCTCAGCCGACAGGGCGCCAGGAGGTGCGCGG
AAGAGACAGCCCCAGGCTTTGGCTGGCACCCTCGGCCACCCTGGTGTCTTTATCTTCTGATCTGATTG
CAACTCTACGCGCTATTGCTGCGCTCTGACAGTATGAGGCTGCCCCACTGCGCCCTCCCCGCGCT
TCTCTGCTCCCGCCTACCTAGCACCAATCCTCTTGTGGACGTAGAGCTGGAGAGCTTCAAGAAGGACC
CCCGGCAGTCTGCTCAGCCCCACCGTCACTGCGGCCACGCTGTGAGCCGTGGACACAGACGAGACACC
ATCGGATGGGCTCTGAGACAGCGGGAGCCTCCAGAGCTACCAACCACGGCCAGGTCTCGAGATCCC
TTGGACTTCCCTCGACTGCCGACCCCAAGGCCCTGTTCCCTACCCGACGCGGCCCTGGAGTTCCCTG
GCCGTCCACACCCTCACCTTTGCCCCAAGACCCCGGCCAGTGCAGCCGCCCCCTGAGACCCCTG
GAACTGGTCTCCTTTGGCCGACACTCAGCATCTCGCTCCAAGCAGGCCAGACACTCCAGAGAGCCCT
GGGCCCTCAGCGTGCAGCCACGCTGCTGGACATGGACATGGAGGTGAGAGCCAGGACAATACAGTGC
CCCTGTGTGGGCTATGGCTCTCAGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Ascl-MluI

ACCN:	NM_001191621
Insert Size:	2829 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:	<u>NM_001191621.3, NP_001178550.1</u>
RefSeq Size:	3447 bp
RefSeq ORF:	2829 bp
Locus ID:	308463
Cytogenetics:	1q21
Gene Summary:	Activates the JUN N-terminal pathway.[UniProtKB/Swiss-Prot Function]