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Product datasheet for RN208228

Map3k1 (NM_053887) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k1 (NM_053887) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map3k1
Synonyms:	Mekk1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>RN208228 representing NM_053887
Red=Cloning site Blue=ORF Orange=Stop codon

GCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGCGCCAGATCTC
AAGCTTAACTAGCTAGCGGACCGAC

ATGGCGGCGGCGGCGGGCGATCGCGCCTCGTCGTCGGGATTCCCGGGCGCCGCGGCGGCGAGCCCCGAGG
CGGGCGGCGGCGGCGGAGCTCTCCAGGGAAGCGGCGCGCCCGCAGCGGGCGCGGGGCTGCTGCGGGAGAC
TGGCAGCGCGGGCCGCGAGCGCGCGGACTGGCGGCGGCAGCAGCTGCGCAAAGTAAGGAGTGTGGAGCTG
GACCAGCTGCCGGAGCAGCCGCTCTTCCTCACCGCCTCGCCGCCCTGCCCATCTACTTCCCCGTCGCCGG
AGCCCGCGGACGCGGCTGCAGGAGCGAGTGGCTTCCAGCCTGCGGCGGGACCGCCACCCCCGGGAGCAGC
GAGTCGCTGCGGCTCCCACTCTGCCGAGCTGGCGGCCGCGCGGGACAGCGGCGCCCGGAGCCCCGCGGGG
GCCGAGCCGCCCTCTGCAGCGGCCCCCTCCGGTCGAGAGATGGAGAATAAAGAAACCCTCAAAGGATTGC
ACAAGATGGATGACCGCCCAGAGGAGCGAATGATCAGGGAGAAGCTCAAGGCGACCTGTATGCCTGCCTG
GAAGCACGAGTGGTTAGAAAGGAGGAACAGGAGAGGCCCTGTGGTGGTGAAACCAATCCCTATTAAAGGA
GATGGATCTGAAATGAGTAACTTGGCAGCTGAGCTCCAAGGAGAGGGCCAGGCAGGCTCTGCTGCACCAG
CTCCCAAGGGCCGACGAAGCCCGTCTCCTGGAAGCTCCCCATCAGGGCGCTCAGGGAAGCCGGAATCCCC
AGGAGTGAGACGGAAACGAGTGTCCCCAGTGCCTTTCCAGAGTGGCAGAATCACACCACCTCGAAGAGCC
CCGTCGCCAGATGGCTTCTCACCGTACAGCCCAGAGGAGACGAGCCGCCGTGTGAACAAAGTGATGAGGG
CCAGGCTGTACCTCCTGCAGCAGATAGGACCCAACTCTTTCCTGATTGGAGGAGACAGTCCAGACAATAA
ATACCGCGTGTTTATTGGGCCACAGAACTGCAGCTGTGGGCGTGGGACATTCTGCATTCACCTCTTGTTT
GTCATGCTCCGGGTGTTCCAGCTAGAACCCTCCGACCCCATGCTATGGAGAAAAACTTTAAAAAATTTTG
AGGTTGAGAGTTTGTTCCAGAAATACCACAGTAGGCGTAGCTCAAGAATCAAAGCTCCATCTCGGAACAC
CATCCAGAAGTTTGTCTCACGCATGTCAAACTGTCACACATTGTCATCGTCTAGCACATCCACATCTAGT
TCAGAAAACAGCATCAAGGATGAAGAGGAGCAGATGTGTCCCATCTGCTTGTTGGGCATGCTGGATGAGG
AGAGCCTGACTGTGTGTGAAGACGGCTGCAGGAACAAGCTGCACCACCACTGCATGTCAATCTGGGCAGA
AGAATGTAGAAGAAATAGAGAACCGTTAATATGTCCCCTTTGTAGATCTAAGTGGAGATCCCATGACTTC
TACAGCCATGAGTTATCAAGCCCTGTGGATTCCCCTACCTCCCTGCGAGGTGTACAGCAGCCCTCCTCCC

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CGCAACAGCCTGTGGCCGGATCACAGCGGAGGAATCAGGAAAGCAATTTTAACCTTACTCATTATGGAAC
CCAGCAGATTCCTCCCGCTTACAAAGATTTAGCCGAGCCATGGATTCAGGCATTCGGAATGGAGCTCGTT
GGCTGCTTATTCTCTAGAAACTGGAACGTAAGGGAGATGGCCCTTAGGCGCCTTTCCCACGATGTTAGCG
GGGCCCTGTTGTTGGCGAACGGGGAGAGCACTGGAACTTCTGGAGGCGGCAGCGGAGGCAGCCTAAGTGC
TGGCGCCGCCAGTGGGTCTTCCCAGCCCAGCATCTCAGGGGACGTGGTGGAGGCGTTCTGCAGCGTCCTG
TCTATCGTGTGCGCTGACCCTGTCTACAAAGTGTACGTTGCTGCTTTAAAAACACTGAGAGCCATGCTGG
TATACACTCCTTGCCACAGCCTGGCAGAAAGAATCAAACTTCAGAGACTTCTCCGGCCAGTGGTAGACAC
CATCCTAGTGAAGTGCGCAGACGCCAATAGCCGCACGAGTCAGCTGTCCATATCAACACTGTTGGAGCTC
TGCAAGGGCCAAGCGGGGGAGTTGGCAGTTGGACGAGAAATACTTAAAGCTGGATCCATCGGTGTTGGTG
GCGTTGATTACGTCTTAAGTTGTATTCTTGGAAACCAAGCTGAATCAAACAACTGGCAAGAACTCCTGGG
TCGCCTCTGTCTTATAGACAGATTGCTCTTGGAAATTTCTGCGGAATTTTATCCTCATATTGTCAGTACC
GATGTCTCACAAGCCGAGCCTGTTGAAATCAGGTATAAGAAGCTGCTGTCCCTCTTAGCCTTTGCCTTGC
AATCCATTGACAATTCCCACTCTATGGTCGGCAAACTCTCGCGGAGGATTTATCTGAGCTCAGCACGAAT
GGTGACCACAGTGCCCCCCCTGTTTTCCAAGCTGGTAACCATGCTAAGTGCTTCTGGATCCTCCCACTTC
GCCAGGATGCGCCGGCGTCTGATGGCCATTGCAGACGAGGTAGAAATTGCCGAGGTCATCCAGCTGGGTT
CGGAAGACACTTTGGATGGCCAGCAGGACAGCTCGCAGGCATTGGCCCCTCCCCGCTATCCAGAGAGCAG
CTCCCTTGAGCACACAGCCCATGTAGAGAAAACTGGAAAAGGATTAAAAGCTACGAGACTGAGTGCCAGC
TCAGAGGACATTTCTGACAGACTGGCTGGCGTTTCTGTAGGACTTCCTAGTTCAGCAACAACAGAACAAC
CAAAGCCAACAGTTCAAACAAAAGGCAGACCCCACAGTCAGTGTTTGAACTCCTCTCCTTTGTCTCCTCC
TCAGTTAATGTTTCCAGCAATATCAGCCCCATGTTCATCTGCCCCGTCTGTCCCAGCTGGCTCTGTAACA
GATGCTTCTAAGCATAGACCTCGGGCGTTTGTTCCCTGTAAAATACCCTCTGCGTCTCCCCAAACACAGC
GCAAGTTTTCCCTACAGTTCCAGAGGACCTGCTCTGAGAACCGAGACTCAGAAAAACTCTCCCCAGTCTT
TACTCAGTCGAGACCCCCACCCTCCAGTAACATACACAGGGCAAAGGCATCCCGACCCGTTCCGGGTAGC
ACAAGCAAACTAGGGGATGCCTCAAAAAACAGCATGACACTCGACCTGAACAGTGCTTCCCAGTGTGATG
ACAGCTTTGGCAGTGGCAGCAACAGTGGCAGCGCCGTCATACCCAGTGAGGAGACGGCATTCACCCCAGC
AGAGGACAAGTGCAGGTTAGATGTCAACCCCGAGCTCAACTCCAGTATCGAGGACCTTCTTGAAGCATCT
ATGCCTTCAAGTGACACAACAGTCACTTTCAAGTCCGAAGTCGCCGTCCTCTCTCCTGAGAAGGCCGAAA
GTGATGACACCTACAAAGATGACGTCAATCACAATCAAAAGTGCAAAGAGAAGATGGAGGCTGAGGAAGA
GGAGGCGCTCGCGATTGCCATGGCAATGTCGGCTTCTCAGGACGCCCTCCCCATAGTCCCTCAGCTGCAG
GTGGAAAATGGAGAGGATATCATCATCATCCAGCAGGATACACCAGAAACCCTACCAGGGCATACCAAAG
CGAACGAGCCCTACAGAGAAGACACCGAGTGGCTGAAAGGGCAGCAGATAGGCCTCGGAGCATTTTCTTC
TTGTTACCAAGCACAGGATGTGGGCACTGGAACTTTAATGGCTGTGAAACAGGTGACCTACGTCAGAAAC
ACATCTTCTGAGCAGGAGGAAGTGGTGGAAGCCTTGAGGGAAGAGATCAGGATGATGAGCCACCTCAACC
ATCCGAACATCATCAGGATGCTGGGGGCCACGTGCGAGAAGAGCAACTACAACCTCTTCATCGAGTGGAT
GGCGGGAGCCTCCGTGGCTCACCTCTTGAGTAAATATGGAGCTTTCAAGGAGTCAGTGGTCATTAACTAC
ACAGAGCAGTTACTCCGTGGCCTTTCCTATCTCCACGAGAACCAGATCATTCACAGAGACGTCAAAGGGG
CCAATCTGCTCATTGACAGCACCGGTCAGCGGCTGAGAATTGCAGACTTCGGTGCTGCCGCCAGGTTGGC
ATCCAAAGGAACTGGTGCAGGAGAGTTCCAGGGACAGTTACTGGGGACAATTGCATTCATGGCGCCTGAG
GTACTAAGAGGTCAGCAGTACGGTAGGAGCTGTGACGTCTGGAGTGTTGGCTGCGCCATTATAGAAATGG
CCTGTGCAAAACCACCCTGGAACGCAGAAAAGCACTCCAATCATCTTGCTTTGATATTTAAGATTGCGAG
TGCAACTACTGCACCATCCATCCCGTCACACCTGTCCCCGGGCCTGCGAGACGTGGCTCTGCGCTGTTTA
GAACTTCAACCTCAGGACAGACCTCCGTCAAGAGAGCTACTGAAGCATCCTGTCTTCCGTACAACATGGT
AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: RsrII-MluI

ACCN: NM_053887

Insert Size: 4482 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_053887.1, NP_446339.1
RefSeq Size:	5180 bp
RefSeq ORF:	4482 bp
Locus ID:	116667
UniProt ID:	Q62925
Cytogenetics:	2q14
Gene Summary:	kinase that has E3 ubiquitin ligase to mediate ubiquitination and degradation of ERK1/2 [RGD, Feb 2006]