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Product datasheet for MC224731

Map3k4 (NM_011948) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k4 (NM_011948) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map3k4
Synonyms:	D17Rp17; D17Rp17e; MAPKKK4; Mek4b; MEKK 4; Mekk4; mKIAA0213; MTK1; RP17; Rp17a; Tas
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224731 representing NM_011948 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGAGACGCCATCGCCGAGCCGGTGCCCCCTCCTGCCCTCGCCGACACCCCTGCAGCCGCCATGGAGG AGCTGCGGCCAGCACCGCCGCCACAGCCCGAGCCGGATCCGGAGTGCTGCCCAGCGGCGAGGCAGGAGTG CATGTTGGGAGAGTCGGCTCGCAAAAGTATGGAATCCGATCCAGAGGACTTTTCTGATGAAACAAATACA GAGACTCTCTACGGCACCTCACCCCCAAGCACACCTCGACAGATGAAACGCCTGTCAGCCAAGCACCAGA GGAACAGCGCAGGGAGGCCGGCCAGCCGATCGAACTTGAAAGAAAAAATGAACACACCGAGTCAGTCTCC ACATAAAGATTTGGGGAAGGGAGTGGAGACCGTGGAAGAATACAGCTACAAGCAGGAGAAGAAGATTCGA GCAACTCTGAGAACAACGGAGCGAGACCATAAGAAAAATGCACAGTGCTCGTTCATGTTGGACTCGGTGG CTGGGTCTTTGCCAAAAAAATCGATTCCAGATGTGGATCTCAATAAGCCTTACCTCAGTCTCGGCTGTAG CAATGCCAAGCTGCCCGTCTCGATGCCCATGCCGATAGCCAGAACTGCACGGCAGACTTCCCGGACTGAC TGCCCCGCAGATCGCTTAAAGTTCTTTGAAACACTGCGCCTTTTGCTAAAGCTTACCTCAGTCTCGAAGA AGAAGGACAGGGAGCAGAGGGGACAAGAAAACACGGCTGCTTTCTGGTTCAACCGATCGAACGAACTGAT CTGGTTAGAACTGCAGGCCTGGCACGCGGGCCGCACCATCAATGACCAGGACCTCTTTCTCTACACAGCC CGCCAGGCCATCCCAGACATCATCAATGAGATCCTCACCTTCAAAGTTAACTACGGGAGCATTGCCTTCT CCAGCAATGGAGCCGGTTTCAACGGGCCCTTGGTAGAAGGCCAGTGCAGAACCCCTCAGGAGACAAACCG TGTGGGCTGCTCATCGTACCACGAGCACCTCCAGCGCCAGAGGGTCTCGTTTGAGCAGGTGAAGCGGATA ATGGAGCTGCTGGAGTACATGGAGGCACTTTACCCATCCTTGCAGGCTCTGCAGAAGGACTATGAACGGT ACGCCGCCAAGGACTTTGAGGACAGAGTGCAGGCGCTCTGCCTGTGGCTCAACATCACGAAAGATCTAAA TCAGAAGCTGCGGATCATGGGCACCGTGCTGGGCATCAAGAACCTATCAGACATTGGCTGGCCAGTGTTT GAAATCCCCTCCCCTCGGCCGTCCAAGGGCTACGAGCCAGAGGACGAGGTCGAGGACACGGAGGTTGAGC TGAGGGAGCTGGAGAGCGGGACGGAGGAGAGTGACGAGGAGCCAACCCCCAGTCCGAGGGTGCCAGAGCT CAGGCTGTCCACAGACGCCATCTTGGACAGTCGCTCCCAGGGCTGCGTCTCCAGGAAGCTGGAGAGGCTC GAGTCAGAGGAAGATTCCATAGGCTGGGGGACAGCGGACTGTGGCCCTGAAGCCAGCAGGCATTGTTTGA

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CGCTTTTGTCAAGGTTTGCACAGATGAAGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_011948
Insert Size:	4794 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_011948.2, NP_036078.2
RefSeq Size:	5305 bp
RefSeq ORF:	4794 bp
Locus ID:	26407
UniProt ID:	O08648
Cytogenetics:	17 A1
Gene Summary:	Component of a protein kinase signal transduction cascade. Activates the CSBP2, P38 and JNK MAPK pathways, but not the ERK pathway. Specifically phosphorylates and activates MAP2K4 and MAP2K6.[UniProtKB/Swiss-Prot Function]