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Product datasheet for MC209716

Map2k2 (NM_023138) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map2k2 (NM_023138) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map2k2
Synonyms:	AA589381; MEK2; MK2; Prkmk2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC209716 representing NM_023138
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGGCCCGGAGGAAGCCGGTGTTACCGGCACTCACTATCAACCCTACCATCGCCGAGGGCCCGTCCC
CCACCAGCGAGGGCGCCTCTGAGGCAAACCTGGTGGACCTCCAGAAGAAGCTGGAAGAGCTGGACCTGGA
TGAGCAGCAAAGGAAGCGGCTGGAGGCCTTCCTTACCCAGAAGGCTAAGGTCGGTGAGCTCAAGGACGAC
GACTTTGAGAGGATCTCAGAGCTGGGTGCCGGCAATGGCGGAGTGGTCACCAAGGCCCGGCATAGGCCGT
CAGGCCTCATCATGGCCAGAAAGCTGATCCACCTGGAGATCAAACCGGCCGTGCGCAACCAGATCATCCG
GGAGCTGCAGGTGCTGCACGAGTGCAACTCGCCCTACATCGTGGGCTTCTATGGGGCCTTCTACAGCGAC
GGCGAGATCAGCATCTGCATGGAGCACATGGATGGTGGCTCACTGGACCAGGTACTGAAGGAGGCCAAGC
GGATTCCTGAAGACATCTTGGGGAAGGTCAGCATTGCGGTGCTCCGGGGCCTGGCCTACCTCCGAGAGAA
GCACCAGATCATGCACAGAGATGTGAAGCCCTCCAACATCCTGGTGAACTCTCGCGGGGAGATTAAGCTG
TGTGACTTCGGGGTGAGCGGCCAGCTGATCGACTCCATGGCCAACTCGTTTGTAGGGACGCGCTCCTACA
TGTCCCCAGAGCGGCTGCAGGGCACCCACTACTCTGTGCAGTCGGACATCTGGAGCATGGGGCTGTCGCT
GGTGGAGCTGGCCATCGGGAGGTATCCCATTCCCCCACCTGATGCCAAGGAACTAGAGGCCAGCTTTGGC
CGGCCTGTGGTGGACGGGGCAGACGGAGAACCCCATAGTGTCTCCCCGAGGCCCAGGCCCCCTGGACGCC
CCATCAGTGTAGGTCATGGGATGGACAGCCGACCGGCCATGGCCATCTTTGAGCTGCTGGACTACATAGT
GAACGAGCCACCTCCCAAGCTGCCCAGTGGTGTGTTCAGCTCAGACTTCCAGGAGTTTGTGAATAAATGT
CTCATTAAGAACCCAGCAGAGCGAGCAGATCTGAAGCTGCTGATGAACCACGCCTTCATCAAGCGCTCTG
AGGGGGAGGAAGTGGACTTCGCCGGCTGGCTGTGCAGAACCCTGCGGCTGAAGCAGCCCAGCACACCCAC
GCGGACTGCAGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_023138
Insert Size:	1206 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_023138.4, NP_075627.2
RefSeq Size:	2387 bp
RefSeq ORF:	1206 bp
Locus ID:	26396
UniProt ID:	Q63932
Cytogenetics:	10 39.72 cM
Gene Summary:	Catalyzes the concomitant phosphorylation of a threonine and a tyrosine residue in a Thr-Glu-Tyr sequence located in MAP kinases. Activates the ERK1 and ERK2 MAP kinases. [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).

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