

Product datasheet for **MR226701**

Map3k2 (NM_011946) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k2 (NM_011946) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map3k2
Synonyms:	9630061B06Rik; AI585793; Mekk2; Mekk2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR226701 representing NM_011946
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGATCAGCAAGCTTTGAATTC AATCATGCAAGATTTGGCTGTCCTTCATAAGGCCAGTCGGCCAG
 CATTATCTTTACAAGAAACCAGGAAAGCAAAACCTTCATCACAAAAAACAGAATGATGTTTCGAGTCAA
 ATTTGAACATAGAGGAGAAAAAGGATCCTGCAGGTTACTAGACCAGTTAACTAGAAGACCTGAGATCT
 AAGTCTAAGATCGCCTTTGGCAGTCTATGGATCTACACTATACCAACAATGAGTTGGTAATTCGGTTAA
 CTACCAAGATGACTTGGACAAAGCTGTGGAAGTCTGGATCGCAGTATTCACATGAAGAGTCTCAAGAT
 ATTACTTGTAGTAAATGGGAGTACACAGGCTACTAATTTAGAACCATCACCGTACCAGAAGATTTGAAT
 AATACACCACTTGGTGCAGAGAGGAAAAAGCGGCTATCTGTAGTAGTCCCCTAATAGGGATAGAAGTT
 CCCCTCCTCCAGGATACATTCAGACGAGCTACACCAGATTGCCCGGAATGGGTCATTCACTAGCATCAA
 CAGTGAAGGAGAGTTCATTCCAGAGAGCATGGACCAAATGCTGGATCCATTGTCTTTAAGCAGCCCTGAA
 AATTCTGGCTCAGGAAGCTGTCCGTCACTTGATAGTCCTTTGGATGGAGAAAGCTACCCAAAATCACGGA
 TGCCTAGGGCACAGAGCTACCCAGATAATCATCAGGAGTTTACAGACTATGATAACCCCATTTTTGAGAA
 ATTTGGAAAAGGAGGAACATATCCAAGAAGTACCACGTTTCTATCATCACAGGAGTATAATGACGGT
 CGGAAGACTTTTCCAAGAGCTAGAAGGACCCAGGGCACCAGTTTCCGGTCTCCTGTGAGCTTCAGTCTTA
 CTGATCACTCCTTAAGCACTAGTAGTGAAGCAGTGTCTTTACCCAGAGTATGACGACAGTCAATAAG
 AAGACGGGGGAGTGACATAGACAATCCTACTTTGACTGTCACAGACATCAGCCCACCCAGCCGTTACCT
 CGAGCTCCGACCAACTGGAGACTGGCAAGCTGCTTGGCAAGGAGCTTTTGGTAGGGTCTACCTCTGCT
 ATGATGTTGATACCGGAAGAGAGCTGGCTGTTAAGCAAGTTCAGTTTAAACCCTGAGAGCCAGAGCCAG
 CAAGGAAGTAAATGCACCTTGAGTGTGAAATTCAGTTGTTGAAAAACTTGTTCATGAGCGAATTGTTGAG
 TATTATGGCTGTTTGAAGGATCCTCAGGAGAAAACTTTCCATCTTTATGGAGTATATGCCAGGGGTT
 CAATTAAGGACCAACTAAAAGCCTACGGAGCTCTTACTGAGAACGTGACGAGGAAGTACACCCGTCAGAT
 TCTGGAGGGGTCCATTATTTGCATAGTAATATGATTGTCCATAGAGATATCAAAGGAGCAAATATCTTA
 AGGGATTCCACAGGCAATATCAAGTTAGGAGACTTTGGGGCTAGTAAACGGCTTCAGACCATCTGTCTCT
 CAGGCACAGGAATGAAGTCTGTACAGGCACGCCATACTGGATGAGTCTGAGGTCATCAGTGGAGAAGG
 CTATGGAAGAAAAGCAGACATCTGGAGTGTAGCATGTACTGTGGTAGAAATGCTAACTGAAAAGCCACT
 TGGGCTGAATTTGAAGCAATGGCTGCCATCTTTAAGATCGCCACTCAGCCAACGAACCCAAAGCTGCCAC
 TCATGTCTCAGACTATACTCGGACTTCTCAACGGATTTTTGTAGAGGCCAAACTTCGACCTTCAGC
 GGAGGAGCTCTTGCGGCACATGTTTGTGCATTATCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226701 representing NM_011946
 Red=Cloning site Green=Tags(s)

MDDQQALNSIMQDLAVLHKASRPALSLQETRAKAKPSSPKKQNDVRVKFEHRGEKRLQVTRPVKLEDLRS
 KSKIAFGQSMDLHYTNNELVIPLTTQDDLDKAVELLDRSIHMKSLKILLVVGSTQATNLEPSPSPEDLN
 NTPLGAERKKRLSVVGPNNRDRSSPPGYIPDELHQIARNGSFTSINSEGEFIPESMDQMLDPLSLSSPE
 NSGSGSCPSLDSPLDGESYPKSRMPRAQSYDPNHQEF TDYDNPIFEKFGKGGTYPRRYHVSYHHQEYNDG
 RKTFPRARRTQGT SFRSPVFSPTDHSLSTSSGSSVFTPEYDDSRIRRRGSDIDNPTLTVTDI SPPSRSP
 RAPTNWRLGKLLGQGA GRVYLCYDVDTGRELAVKQVQFNPE SPETSKEVNALECEIQLLKNLLHERIVQ
 YYGCLRDPQEKLSIFMEYMPGGSIKDQLKAYGALTENVTRKYTRQILEGVHYLHSNMIVHRDIKGANIL
 RDSTGNIKLGDFGASKRLQTI CLSGTGMKSVTGTPTYWMSPEVISGEGYGRKADIWSVACTVVEMLTEKPP
 WAEFEAMAAIFKIATQPTNPKLPPHVSDYTRDFLKRIFVEAKLRPSAEELLRHMVFVHYH

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_011946

ORF Size: 1857 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

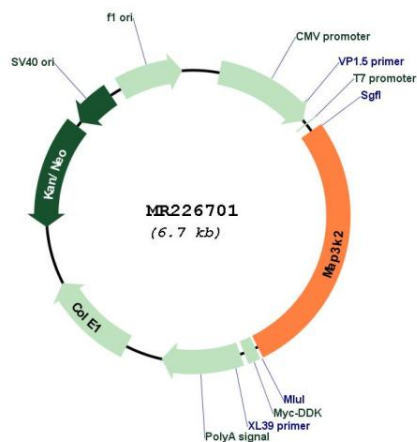
RefSeq: [NM_011946.3](#), [NP_036076.2](#)

RefSeq Size: 10791 bp

RefSeq ORF: 1860 bp

Locus ID: 26405
 Cytogenetics: 18 B1
 MW: 70.1 kDa

Product images:



Circular map for MR226701