

## Product datasheet for MR212046

### Map3k4 (NM\_011948) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k4 (NM_011948) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map3k4
Synonyms:	D17Rp17; D17Rp17e; MAPKKK4; Mek4b; MEKK 4; Mekk4; mKIAA0213; MTK1; RP17; Rp17a; Tas
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212046 representing NM_011948 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGAGAGACGCCATCGCCGAGCCGGTGCCCTCCTGCCCTCGCCGACACCCCTGCAGCCGCCATGGAGGAGCTGCGGCCAGCACCGCCGCCACAGCCCGAGCCGGATCCGGAGTGCTGCCAGCGGCGAGGCAGGAGTGCATGTTGGGAGAGTCGGCTCGCAAAAGTATGGAATCCGATCCAGAGGACTTTTCTGATGAAACAAATACAGACTCTACGGCACCTCACCCCAAGCACACCTCGACAGATGAAACGCCTGTCAGCCAAGCACCAGAGAACAGCGCAGGGAGGCCGGCCAGCCGATCGAACTTGAAAGAAAAAATGAACACACCGAGTCAGTCTCCACATAAAGATTTGGGGAAGGGAGTGGAGACCGTGAAGAATACAGCTACAAGCAGGAGAAGAAGATTCGAGCAACTCTGAGAACAACGGAGCGAGACCATAAGAAAAATGCACAGTGCTCGTTTCATGTTGGACTCGGTGGCTGGTCTTTGCCAAAAAATCGATTCCAGATGTGGATCTCAATAAGCCTTACCTCAGTCTCGGCTGTAGCAATGCCAAGCTGCCGTCTCGATGCCATGCCGATAGCCAGAAGTGCACGGCAGACTTCCCGGACTGACTGCCCGCAGATCGTTAAAGTCTTTGAAACTGCGCCTTTTGCTAAAGCTTACCTCAGTCTCGAAGAAGAAGGACAGGGAGCAGAGGGGACAAGAAAAACACGGCTGCTTTCTGGTTCAACCGATCGAACGAAGTATCTGGTTAGAAGTGCAGGCTGGCAGCGGGCCGACCATCAATGACCAGGACCTTTTCTACACAGCCGCCAGGCCATCCAGACATCATCAATGAGATCCTCACCTTCAAAGTTAACTACGGGAGCATTGCCCTTCCAGCAATGGAGCCGTTTCAACGGCCCTTGGTGAAGGCCAGTGCAGAACCCTCAGGAGACAACCGTGTGGGCTGCTCATCGTACCACGAGCACCTCCAGCGCCAGAGGGTCTCGTTTGAGCAGGTGAAGCGGATAATGGAGCTGCTGGAGTACATGGAGGCACTTTACCCATCCTTGCAGGCTCTGCAGAAGGACTATGAACGGTACGCCCAAGGACTTTGAGGACAGAGTGCAGGCGCTCTGCCTGTGGCTCAACATCACGAAAGATCTAAATCAGAAGCTGCGGATCATGGGCACCGTGTGGCATCAAGAACCTATCAGACATTGGCTGGCCAGTGTGAAATCCCCTCCCCTCGGCCGTCAAGGGCTACGAGCCAGAGGACGAGGTCGAGGACACGGAGGTTGAGCTGAGGGAGCTGGAGAGCGGGACGGAGGAGAGTACGAGGAGCCAAACCCAGTCCGAGGGTCCAGAGCTCAGGCTGCCACAGACGCCATCTTGACAGTCCGCTCCAGGGCTCGCTCCAGGAAGCTGGAGAGGCT



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GAGTCAGAGGAAGATTCCATAGGCTGGGGACAGCGGACTGTGGCCCTGAAGCCAGCAGGCATTGTTTGA  
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Protein Sequence: >MR212046 representing NM\_011948  
 Red=Cloning site Green=Tags(s)

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 FGCSVKLNNAQTMPGEVNSTLGTAAYPEVITRAKGEHGGAADIWSLGCVVVEMVTGKRPWHEYEHN  
 FQIMYKVMGCHKPPIPERLSPEKGAFLSHCLESDPKIRWTASQLLDHAFVKVCTDEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9008\\_g11.zip](https://cdn.origene.com/chromatograms/mm9008_g11.zip)

Restriction Sites: Sgfl-MluI

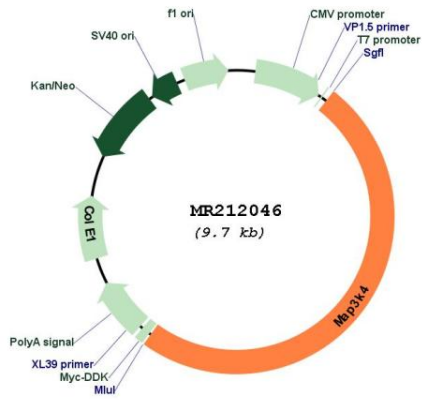
Cloning Scheme:



ACCN: NM\_011948

<b>ORF Size:</b>	4791 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_011948.2</a> , <a href="#">NP_036078.2</a>
<b>RefSeq Size:</b>	5305 bp
<b>RefSeq ORF:</b>	4794 bp
<b>Locus ID:</b>	26407
<b>UniProt ID:</b>	<a href="#">O08648</a>
<b>Cytogenetics:</b>	17 A1
<b>MW:</b>	180.3 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for MR212046