

## Product datasheet for **RR206126**

### Map3k8 (NM\_053847) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k8 (NM_053847) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map3k8
Synonyms:	D17TPL2; Tpl-2; Tpl2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR206126 representing NM\_053847  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGTACATGAGCACCAGCGACGAGAAAGAAGAGATTGATTTATTAATTAACCATTTAAACGTGT  
 CGGAAGTCTGGACATCATGGAGAACCCTTATGCAAGTGAAGAGCCTGCAGTGTATGAGCCAGTCTGAT  
 GACCATGTGTCCAGACAGCAATCAAAACAAGGAACATTACAGAGTCGCTGCTTCGGAGTGGCCAGGAGGTG  
 CCCTGGTTGTCGTCTGTGAGATATGGGACTGTGGAGGATCTGCTTGCATTTGCAAACCATATCTCGAATA  
 CGACAAAGCATTTTTACAGATGTCGGCCCCAAGAATCTGGGATTTTATTAATATGGTAATCAGTCCCCA  
 GAATGGTCGCTACCAATCGACTCGGATGTTCTCCTTGTCCCGTGAAGCTGACGTACAGGAGCATTGGT  
 TCTGGTTTCGTTCTCGGGGGCCTTTGGAAAAGTGTACTTAGCACAAGACATGAAGACAAAGAAAAGAA  
 TGGCATGTAACCTGATCCCTGTAGATCAGTTAAGCCATCAGATGTGAAATCCAGGCTGCTTCCGGCA  
 CGAGAACATTGCCGAGTTATACGGTGGCTCCTATGGGGCGACTGTCCATCTTTCATGGAAGCCGGC  
 GAGGGAGGGTCTGCTCGGAGAAGCTGGAGAGCTGTGGGCCATGAGAGAATTTGAAATTATCTGGGTGA  
 CAAAGCACGTTCTCAAGGACTTGATTTCTGCACTCCAAGAAAGTCATCCACCAGATATCAAACCTAG  
 CAACATTTGATTCATGTCTACGAAAGCTGTGTTGGTAGATTTTGGCTGAGTGTCAAATGACAGAAGAT  
 GTCTATCTCCCAAGGACCTCCGGGAACAGAGATCTACATGAGCCCTGAGGTGATTCTGTGCGAGGGCC  
 ATTCACAAAAGCAGACATCTACAGCCTGGAGCCACGCTCATTACATGCAGACAGGCACCCACCCCTG  
 GGTGAAGCGCTACCCTCGATCGGCCTATCCCTCCTACCTGTACATAATCCACAAGCAGGCACCTCCCCTG  
 GAAGATATTGCTGGTACTGCAGTCCAGGCATGAGGGAGCTGATAGAAGCCGCCCTGGAGAGGAACCCCA  
 ACCACCCCCAAAAGCAGCAGACCTACTGAAACACGAAGCCCTGAATCCCAAGAGAGGACCAGCCACG  
 GTGTCAGAGTCTGGACTCTGCCCTCTTTGACCGGAAGAGGCTGCTGAGCAGGAAGGAGCTAGAACCTCCT  
 GAGAACATTGCTGATTCATCATGCACAGGAAGCACCGAGGAGTCTGAAGTCTCAGGAGACAGCCTCC  
 TCTACATTGATCTCGGAGCTCTGGCTGGCTACTCAATATTGTTTCGTGGTCCACCAACCCTGGAATATGG  
 C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR206126 representing NM\_053847  
 Red=Cloning site Green=Tags(s)

MEYMSTGSDEKEEIDLLINHLNVSEVLDIMENLYASEEPAVYEPSLMTMCPDSNQKHESESLLRSGQEV  
 PWLSSVRYGTVEDLLAFANHISNTTKHFYRCRPQESGILLNMVISPQNGRYQIDSDVLLVPWKLTYRSIG  
 SGFVPRGAFGKVYLAQDMKTKRMACKLIPVDQFKPSDVEIQACFRHENIAELYGAVLWGDVHLMFMEAG  
 EGGSVLEKLESCGPMREFEIIWVTKHVLKGLDFLHSHKVIHHDIKPSNIVFMSTKAVLVDFGLSVQMTED  
 VYLPKDLRGTEIYMSPEVILCRGHSTKADIYSLGATLIHMQTGTPPWVKRYPRSAVPSYLIIHKQAPPL  
 EDIAGDCSPGMRELIEAALERNPNHRPKAADLLKHEALNPPREDQPRCQSLDSALFDRKRLLSRKELELP  
 ENIADSSCTGSTESEVLRQRSLYIDL GALAGYFNIVRGPPTLEYG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

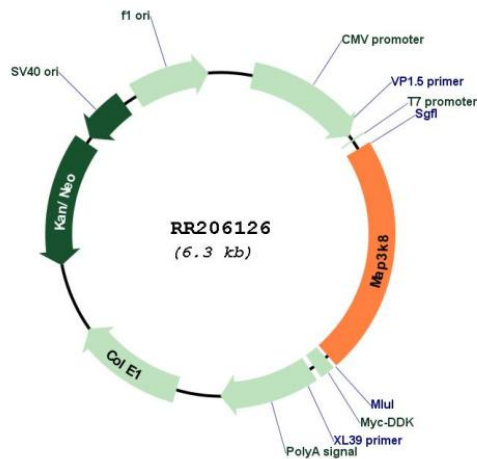
**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:



## Plasmid Map:



ACCN:

NM\_053847

ORF Size:

1401 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\\_053847.1](#), [NP\\_446299.1](#)

**RefSeq Size:** 2720 bp

**RefSeq ORF:** 1404 bp

**Locus ID:** 116596

**UniProt ID:** [Q63562](#)

**Cytogenetics:** 17q12.1

**MW:** 52.8 kDa

**Gene Summary:** kinase; involved in signaling pathways for cell proliferation/differentiation and stress responses [RGD, Feb 2006]