

## Product datasheet for **MC222736**

### Map3k14 (NM\_016896) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k14 (NM_016896) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Map3k14
Synonyms:	aly; Nik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC222736 representing NM\_016896  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCCGTGATGGAAGTGGCCTGCCCGGCACTCTGGTTCAGCAGTCCGGCAGCAGAAGGAGCTTGCCA  
 AAGCCAAGGAGAAGACACAGTCACTGGGAAGAAGCAGAGCTGCATCTTCAAGCTTGAGGCCGTGGAGAA  
 GAGCCCGTGTTCTGTGGAAAGTGGGAGATCCTAAACGACGTGATCACAAAGGCACAGCCAAGGACGGC  
 TCTGAGGGAGGACCACCGCCATCTCCATCATCGCCAGGCTGAATGTGAGAATAGCCAAGATTAGCC  
 CCACCTTCTCAGAGCGCATTTTTCATCGCGGGTTCACAGCAGTACAGCCAGTCTGAGAGTCTCGATCAAAT  
 CCCCACAATGTGGCCATGCAACTGAAGGCAAAATGGCCCGTGTGTGCCGGAGGGGAAAACGTACGGC  
 AAAGCCCGAAAAAACGTAGGAAGAAGAGTGAAGTCACTGGCCAGGCAGGAGTGGCCTTAGCCAAGC  
 CCCTGCCAGAACCCTGAGCAAGAGAGCTGTACCATCCAGTACAGGAAGATGAGTCTCCACTAGGCAA  
 CCTCTATGCCAGAAATGTCTCCAGTTCACCAAGCCTCTGGGGGACCAGGCCTTGGCCACCTGTGCTTT  
 AAGAAACAAGATGAAGGCCTGCGACCGGTACTGCCTCGACCAGAACTCCACAAACTGATCAGCCCTTGC  
 AATGTCTAAACCAGTGTGAAACTCCACCACCCCGAGGCCACAGGCCCCCGGCCACCCGACTCACCC  
 CTTCCCTACAGCGGAATGCCCATCCTTTCCATTCTACCCCTGGAGCCCTGGAACCCTATATGCTG  
 GACTCTGCCGTCTGGACAACTAGCCGGTGTGAGCGCCAGCGGCTCTGCCTGGCCACCCGATCTAA  
 GCCAACTGGCCATGGAGACAGTCAAGAGCCGCTGCCTGGCCACACCTGGAGTCCAGCTGCCCGTCTCG  
 GGGTGCCTAGAAAAGTTCCCGTGGAGGAATACCTGGTGCATGCGCTCCAAGGAAGTGTGAGCTCAGGC  
 CAGGCCACAGCCTGGCCAGCCTGGCTAAGACATGGTCTCGGGAAGCCCAAGTGCAGAGGCTCGGCC  
 CCGAAACTGAGGACAACGAGGGGTCTGCTTACTGAGAAACTCAAGCCAGTGGATTATGAGTATCGAGA  
 AGAGGTCCTGATGACACACCAGCCTCGGGTGGGCGAGAGGCTCCTTCGGCGAGGTCCACAGAATGAAG  
 GACAAGCAGACAGGCTTCCAGTGTGCTGTCAAAAAGGTACGACTCGAGGTGTTTCGGGTAGAGAACTAG  
 TGGCCTGTGCTGGTCTGAGCTCGCCAGAATCGTCCCTCTCTATGGAGCTGTGAGAGAAGGCCCGTGGT  
 GAACATCTTATGAACTGCTAGAAGGTGGCTCGCTGGTTCAGCTCATAAAGCAAATGGGCTGTCTGCCA  
 GAAGACCGAGCCCTTACTACCTGGCCAGGCCCTGGAGGGCTGGAGTACCTCCACACACGAGGATTC  
 TGCATGGCGATGTCAAAGCTGACAACGTCTCTGTCCAGTGTGAAGCCGAGCGGCCCTCTGCGACTT  
 TGGCCACGCTTGTGCCTGCAACCTGACGGCTAGGGAATCCTTGTCTCACAGGGGACTACATTCCTGGC  
 ACGGAGACCCACATGGCACCAGAAGTGGTGTGGAAAGCCCTGCGATGCCAAGGTGGACATCTGGAGCA  
 GCTGCTGCATGATGCTCCACATGCTCAACGGCTGCCACCCTGGACTCAGTACTTCGAGGCCCGCTTTG  
 TCTCAAGATTGCCAGCGAGCCTCCACCGATCAGGGAGATCCCACCTTCTGCGCACCCCTCACAGCCAG  
 GCCATCCAAGAGGGGCTGAGGAAAGAGCCGCTCCACCGAGCATCTGCCATGGAGCTTCGGAGGAAAGTGG  
 GCAAGGCACTACAGGAAGTGGGAGTCTGAAAAGCCCTTGGAAAGGAGAAATATAAAGAACCAAGACCTCC  
 ACCCAAGACCAAGCCACCTGCCACCAGACCCTACCTACTCCGCCGAGAGAGAACCACCAGCAAGGCC  
 AACACAGACGGGGCTCCTGAGCCTCAGCCTCCTTACCGCCAGAACCACCAGAACCAGCAAGGCCAG  
 CCCTGAACCTGAGCAAGGAGGAGTCTGGCACATGGAAACCCTGCCTCTGTCTCCCTGGACCCAGCCAC  
 TGCCAAAGGCCCCAGCTTCCAGACCGGAGGGCAACCTTGCAGAGCTGGAGCTACAGCAACTGGAGATA  
 GAACTGTTTCTCAACAGCCTGTCCAGCGTTCTCTGAGGAAACAGGAACAAATCCTCTCCTGCCTCA  
 GCATCGACAGCCTCTCGTGTGATGACAGTGAAGAATCCATCGAAGCCTCTCAGAGCTCACGGGA  
 CACCCTGAGTTCTGGCGTCACTCTTGAACAGCCAAGCTGAGGCAAGAACCTGCAGCTGCAGCACGGCG  
 CTGGCCCGGGGGCGCCTACTGACATCCCGAGCTACTTCAACGGGGTCAAGGTCCAGATCCAGTCTCTCA  
 ATGGCGAACACCTGCATATCCGGGAATTCACCGCGTCAAGGTGGGAGACATTGCCACCGGCATCAGCAG  
 CCAGATCCAGCCACAGCTTTCAGCCTGGTGACCAAAGATGGACAGCCTGTTTGTATGACATGGAGGTG  
 CCAGACTCGGCATCGACCTGCAGTGCACCCTGGCCCTGATGGCAGCTTGTCTGGACCTGGAGGTCA  
 AGCATGGTCACTGGAGAACCACCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:

[https://cdn.origene.com/chromatograms/ja3737\\_b02.zip](https://cdn.origene.com/chromatograms/ja3737_b02.zip)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_016896
<b>Insert Size:</b>	2829 bp
<b>OTI Disclaimer:</b>	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).
<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_016896.3</a> , <a href="#">NP_058592.1</a>
<b>RefSeq Size:</b>	4173 bp
<b>RefSeq ORF:</b>	2829 bp
<b>Locus ID:</b>	53859
<b>UniProt ID:</b>	<a href="#">Q9WUL6</a>
<b>Cytogenetics:</b>	11 66.8 cM
<b>Gene Summary:</b>	Lymphotoxin beta-activated kinase which seems to be exclusively involved in the activation of NF-kappa-B and its transcriptional activity. Promotes proteolytic processing of NFKB2/P100, which leads to activation of NF-kappa-B via the non-canonical pathway. Could act in a receptor-selective manner.[UniProtKB/Swiss-Prot Function]