

## Product datasheet for **MG226701**

### Map3k2 (NM\_011946) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k2 (NM_011946) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Map3k2
Synonyms:	9630061B06Rik; AI585793; Mekk2; Mekk2b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MG226701 representing NM\_011946  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGATCAGCAAGCTTTGAATTC AATCATGCAAGATTTGGCTGTCCTTCATAAGGCCAGTCGGCCAG  
 CATTATCTTTACAAGAAACCAGGAAAGCAAACCTTCATCACAAAAAACAGAATGATGTTTCGAGTCAA  
 ATTTGAACATAGAGGAGAAAAAGGATCCTGCAGGTTACTAGACCAGTTAACTAGAAGACCTGAGATCT  
 AAGTCTAAGATCGCCTTTGGCAGTCTATGGATCTACACTATACCAACAATGAGTTGGTAATTCGGTTAA  
 CTACCAAGATGACTTGGACAAAGCTGTGGAAGTCTGGATCGCAGTATTCACATGAAGAGTCTCAAGAT  
 ATTACTTGTAGTAAATGGGAGTACACAGGCTACTAATTTAGAACCATCACCGTACCAGAAGATTTGAAT  
 AATACACCACTTGGTGCAGAGAGGAAAAAGCGGCTATCTGTAGTAGTCCCCTAATAGGGATAGAAGTT  
 CCCCTCCTCCAGGATACATTCAGACGAGCTACACCAGATTGCCCGGAATGGGTCATTCACTAGCATCAA  
 CAGTGAAGGAGAGTTCATTCCAGAGAGCATGGACCAAATGCTGGATCCATTGTCTTTAAGCAGCCCTGAA  
 AATTCTGGCTCAGGAAGCTGTCCGTCACTTGATAGTCCTTTGGATGGAGAAAGCTACCCAAAATCACGGA  
 TGCCTAGGGCACAGAGCTACCCAGATAATCATCAGGAGTTTACAGACTATGATAACCCCATTTTTGAGAA  
 ATTTGGAAAAGGAGGAACATATCCAAGAAGTACCACGTTTCCTATCATCACAGGAGTATAATGACGGT  
 CGGAAGACTTTTCCAAGAGCTAGAAGGACCCAGGGCACCAGTTTCCGGTCTCCTGTGAGCTTCAGTCCTA  
 CTGATCACTCCTTAAGCACTAGTAGTGGAAAGCAGTGTCTTTACCCAGAGATGACGACAGTCAATAAG  
 AAGACGGGGGAGTGACATAGACAATCCTACTTTGACTGTCACAGACATCAGCCCACCCAGCCGTTACCT  
 CGAGCTCCGACCAACTGGAGACTGGCAAGCTGCTTGGCCAAGGAGCTTTTGGTAGGGTCTACCTCTGCT  
 ATGATGTTGATACCGGAAGAGAGCTGGCTGTTAAGCAAGTTCAGTTTAAACCCTGAGAGCCAGAGACCAG  
 CAAGGAAGTAAATGCACCTTGAGTGTGAAATTCAGTTGTTGAAAAACTTGTTCATGAGCGAATTGTTCCAG  
 TATTATGGCTGTTTGGAGGATCCTCAGGAGAAAACACTTCCATCTTTATGGAGTATATGCCAGGGGTT  
 CAATTAAGGACCAACTAAAAGCCTACGGAGCTCTTACTGAGAACGTGACGAGGAAGTACACCCGTGAGAT  
 TCTGGAGGGGTCCATTATTTGCATAGTAATATGATTGTCCATAGAGATATCAAAGGAGCAAATATCTTA  
 AGGGATCCACAGGCAATATCAAGTTAGGAGACTTTGGGGCTAGTAAACGGCTTCAGACCATCTGTCTCT  
 CAGGCACAGGAATGAAGTCTGTACAGGCACGCCATACTGGATGAGTCTGAGGTATCAGTGGAGAAGG  
 CTATGGAAGAAAAGCAGACATCTGGAGTGTAGCATGACTGTGGTAGAAATGCTAACTGAAAAGCCACCT  
 TGGGCTGAATTTGAAGCAATGGCTGCCATCTTTAAGATCGCCACTCAGCCAACGAACCCAAAGCTGCCAC  
 TCATGTCTCAGACTATACTCGGACTTCTCAACGGATTTTTGTAGAGGCCAAACTTCGACCTTCAGC  
 GGAGGAGCTCTTGCAGGCATGTTTGTGCATTATCAC

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG226701 representing NM\_011946  
 Red=Cloning site Green=Tags(s)

MDDQQALNSIMQDLAVLHKASRPALSLQETRKAKPSSPKKQNDVRVKFEHRGEKRLQVTRPVKLEDLRS  
 KSKIAFGQSMDLHYTNNELVIPLTTQDDLKAVELLDRSIHMKSLKILLVVGSTQATNLEPSPSPEDLN  
 NTPLGAERKKRLSVVGPNNRDRSSPPPGYIPDELHQIARNGSFTSINSEGEFIPESMDQMLDPLSLSSPE  
 NSGSGSCPLDSPLDGESYPKSRMPRAQSYDPDNHQEFDTYDNPIFEKFGKGGTYPRRYHVSYYHQEYNDG  
 RKTFFRARRTQGTFRSPVFSPTDHSLSSTSSGVSFTPEYDSDRIRRRGSDIDNPTLTVDIISPPSRSP  
 RAPTNWRLGKLLGQAFGRVYLCYDVDTGRELAVKQVQFNPEPETSKEVNALECEIQLLKNLLHERIVQ  
 YYGCLRDPQEKTLISIFMEYMPGGSIKDQLKAYGALTENVTRKYTRQILEGVHYLHSNMIVHRDIKGANIL  
 RDSTGNIKLGDFGASKRLQTIICLSGTGMKSVTGPYWMSPEVISGEGYGRKADIWSVACTVVEMLTEKPP  
 WAEFEAMAAIFKIATQPTNPKLPPHVS DYTRDFLKRIFVEAKLRPSAEELLRHMVFVHYH

**TRTRPLE** – GFP Tag – V

**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](#)

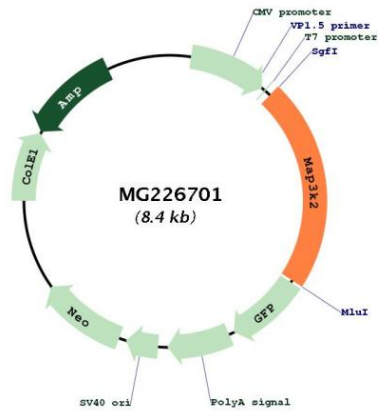
**RefSeq Size:** 10791 bp

**RefSeq ORF:** 1860 bp

**Locus ID:** 26405

**Cytogenetics:** 18 B1

Product images:



Circular map for MG226701