

## Product datasheet for **MG217806**

### Map4k5 (NM\_201519) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k5 (NM_201519) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Map4k5
Synonyms:	4432415E19Rik; GCKR; KHS; MAPKKKK5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG217806 representing NM\_201519  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGGCCCGCTGAGGCCTGCCGCCACATCCTGAGACGGAAACCCGACGACGACTACGAGCTGGTGC  
 AGAGGGTCGGCAGCGGCACCTACGGGGACGTGTACAAGGCCAGAAATGTACATACAGGAGAATTAGCTGC  
 AGTAAAGATCATCAAGTTGGAGCCTGGTATGATTTTTCTTTGATTTCAGCAAGAGATATTTATGGTTAAA  
 GAATGTAAGCATTGCAACATCGTAGCCTACTTTGGGAGCTATCTCAGTAGGGAGAAGCTGTGGATTTGCA  
 TGGAGTACTGGGTGGCGGATCACTTCAAGATATCTATCACGTGACTGGGCCATTATCTGAAATGCAAAAT  
 AGCCTACGTCTGCAGAGAGACCTTACAGGGTCTTGCCACTTGCATACTAAAGGCAAAATGCATAGAGAT  
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 CTGGGAGAACTGCAGCCGCTATGTTTGACCTGCATCCAATGAGGGCTCTCTTCTTAATGTCAAAAAGTA  
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 ACTAACTAAAAACCCCAAGAAAAGCAACTGCTGAAAGGCTTCTGACTCACACTTTTGTGGGCGAGCCA  
 GGCCTGTCTCGGGCGCTCGCGGTTGAGCTGTTGGACAAGGTGAGCAATCCGGACAACCATGCTCCCTACA  
 GTGAGGGCGATGAGGACGACTTGGAGCCCCACGCAATCATTTCGCATACCATTAGATCAACAAACAGGAA  
 TTCCAGAGCGGAGCGGACAGCTTCAGAAATAAACTTTGACAAATTACAATTTGAACTCCTCTGAGAAAA  
 GAAACAGAAGCCCGGGATGAAATGGGATTATCATCAGAGCCAACTTTATATTACATTGGAATCCTTTTG  
 TGGATGGAGCAAAATACAGGCAGATCAACCTCTAAGCGTGCAATACCACCTCCGCTACCTCCTAAGCCGAG  
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 AGCCGATGCAGAAATTCATGCTGATAAAGCATTTCGATTTTCTTTACCAAGTCCACTGAATGTTTTTGA  
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 CAAGTAGTTCAGTTTGGACAATCAACTTGAATTCTGCATCTTCTGGTTTACAGAAATGGTGCAGGCA  
 GCCAACAGCTGGATTCCATTATGTGACACAGTTGGAGAGAGATACTGTTTTGGTGTGTTAGACAAATT  
 TGTAATAATTGTAATCTACAAGGAAAGCTGAAGTCCAGTAAGAAGCTGGCATCTGAGCTCAGTTTTGAC  
 TTCCGCATTGAGTCTGTGGTGTGCCTTCAAGACAGCGTGTGGCTTTCTGGAAACACGGGATGCAGGGTA  
 AAAGCTTCAAATCAGATGAGTTACCCAGGAAATTTAGATGAGACCAGGGTTTTCCGCCTGCTGGGATC  
 AGACAGGGTGGTGGTTTTGGAAAGCCGGCCAACAGAAAACCTGCAGCACACAGCAATCTCTACATCCTG  
 GCTGGACATGAAAACAGTTAC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG217806 representing NM\_201519  
 Red=Cloning site Green=Tags(s)

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MEAPLRPAADILRRNPQHDYELVQRVSGTYGDVYKARNVHTGELAAVKIIKLEPGDDFSLIQQEIFMVK
ECKHCNIVAYFGSYLSREKLWICMEYCGGSLQDIYHVTGPLSEMQUIAYVCRETLQGLAYLHTKGMHRD
IKGANILLTDHGDVKLADFGVAAKITATIAKRKSFIGTPYWMAPEVAAVEKNGGYNQLCDIWAVGITAIE
LGELQPPMFDLHPMRALFLMSKSNFQPPKLDKDKWSSTFHNFKIALTKNPKKRPTAERLLTHTFVGQP
GLSRALAVELLDKVSNDPNHAPYSEGDEDDLEPHAIIRHTIRSTNRNSRAERTASEINFDKLQFEPPLRK
ETEAREDEMGLSSEPNFILHWNPFVDGANTGRSTSKRAIPPLPPKPRVNTYPEDSLPDEEKSSSTIKRCPD
LEARAPQVLRQSSPSCVPVAETSSSIGNGDGISKLISENTEGSAQAPQLPRKDKRDFPKPTINGLPPT
PKVLMGACFSKVFDCPLKINCATSWIHPDTKDQYIIFGTEDGIYTLNLNELHEATMEQLFPRKCTWLYV
INNTLMSLSEGKTFQLYSHNLIALFEQAKKPLAAHIQTHRFDRILPRKFALTTKIPDTKGCHKCCIVR
NPYTGHKYLCGALQSGIVLLQWYEPMQFMLIKHDFPLPSPLNVFEMLVIPEQEYPMVCVAISKGSDSS
QVVQFETINLNSASSWFTEIGAGSQQLDSIHVTQLERDTVLVCLDKFVKIVNLQGLKSSKKLASELSFD
FRIESVCLQDSVLAFWKHGMQKSFKSDEVTQEISDETRVFRLLGSDRVVLESRPTENPAAHSNLYIL
AGHENSY
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



**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\\_201519.2](#), [NP\\_958927.2](#)

**RefSeq Size:** 4490 bp

**RefSeq ORF:** 2544 bp

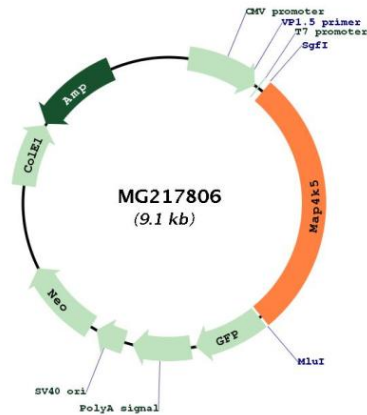
**Locus ID:** 399510

**UniProt ID:** [Q8BPM2](#)

**Cytogenetics:** 12 C2

**Gene Summary:** May play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG217806