

## Product datasheet for **RC218862**

### MAP4K6 (MINK1) (NM\_170663) Human Tagged ORF Clone

#### Product data:

|                          |   |
|--------------------------|---|
| Product Type:            | Expression Plasmids   |
| Product Name:            | MAP4K6 (MINK1) (NM_170663) Human Tagged ORF Clone                           |
| Tag:                     | Myc-DDK   |
| Symbol:                  | MINK1   |
| Synonyms:                | B55; MAP4K6; MINK; YSK2; ZC3  |
| Vector:                  | pCMV6-Entry (PS100001)  |
| E. coli Selection:       | Kanamycin (25 ug/mL)  |
| Cell Selection:          | Neomycin  |
| ORF Nucleotide Sequence: | >RC218862 representing NM_170663<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGCGACCCAGCCCCGCCGAGCCTGGACGACATCGACCTGTCCGCCCTGCGGGACCCTGCTGGGA  
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AGGCGGAGCGCGAGCAGGAATACAAGCGGAAGCAGCTGGAGGAGCAGCGGAGTCAAGAAGCTCTCCAGAG  
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CTGACAAACCAGCCTGGGCCCGAGAGGTAGAAGAGAGAACAAGGATGAACAAGCAGCAGAAGCTCTCCCTT  
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GTACGACGTGAGGAAGGGTTCTGTGGTCAACGTGAATCCCACCAACACCCGGGCCACAGTGAGACCCCT  
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CACAAACGAGCTCAGAGGCTCAAGTTCCTGTGTGAGCGGAATGACAAGGTGTTTTTGCCTCAGTCCGCT  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC218862 representing NM\_170663  
 Red=Cloning site Green=Tags(s)

MGDPAPARSLDDIDL SALRDPAGIFELVEVVNGTYGQVYKGRHVKTGQLAAIKVMDVTEDEEEEIKQEI  
 NMLKKYSHHRNIATYYGAFIKKSPGNDQLWL VMEFCGAGSVTDLVKNTKGNALKEDCIAYICREILRG  
 LAHLHAHKVIHRDIKQNVLL TENAEVKLVDFGVSAQLDRTVGRNFTIGTPYWMAPEVIACDENPDATY  
 DYRSDIWSLGITAIEMAEGAPPLCDMHPMRALFLIPRNPPLKSKKWSKKFIDFIDTCLIKTYLSRPPT  
 EQLLKFPFIRDQPTERQVRIQLKDHIDRSRKKRGEKEETEYEGSEEDDSDHGEPEGSSIMNVPGEST  
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 LQEKEQQRLEDLQALRREEERRQAEREQEYKRKQLEEQRQSERLQRQLQQEHAYLKSLQQQQQQQLQK  
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 PLSQTPPMQRPVEPQEGPHKSLVAHRVPLKPYAAPVPRSQSLQDQPTRNLAAFPASHDPDAIPAPTATP  
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 DVEEITGTQPPYGGTMMVQRTPEEERNLLHADSNGYTNLPDVVQPSHSPNTENSKGQSPPSKDGSGDYQS  
 RGLVKAPGKSSFTMFVDLGIYQGGSGDSIPITALVGGEGTRLDQLQYDVRKGSVVNPNPTNRAHSETP  
 EIRKYYKRFNSEILCAALWGVNLLVGTENGLMLLDRSGQKQVYGLIGRRRFQQMDVLEGLNLLITISGKR  
 NKLRVYYL SWLRNKILHNDPEVEKKQGWTTVGDMEGCGHYRVVYERIKFLVIALKSSVEVYAWAPKPYH  
 KFMAFKSFADLPHRPLLVDL TVEEGQRLKVIYGSAGFHAVD VDSGNSYDIYIPVHIQSQITPHAIIFLP  
 NTDGMEMLLCYEDG VYVNTYGRIIKDVVLQW GEMPTSVAYICSNQIMGWGEKAI EIRSVETGHL DGVFM  
 HKRAQRLKFLCERNDKVFFASVRSGGSSQVYFMTLNRNCIMNW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

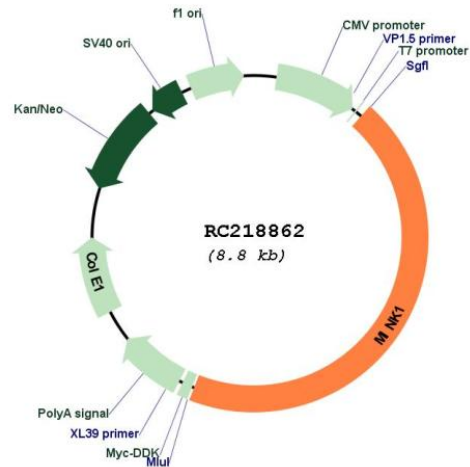
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_170663

ORF Size: 3909 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\\_170663.5](#)

RefSeq Size: 4948 bp

RefSeq ORF: 3912 bp

Locus ID: 50488

UniProt ID: [Q8N4C8](#)

Cytogenetics: 17p13.2

|                          |  |
|--------------------------|--|
| <b>Protein Families:</b> | Druggable Genome, Protein Kinase   |
| <b>MW:</b>               | 146.7 kDa  |
| <b>Gene Summary:</b>     | This gene encodes a serine/threonine kinase belonging to the germinal center kinase (GCK) family. The protein is structurally similar to the kinases that are related to NIK and may belong to a distinct subfamily of NIK-related kinases within the GCK family. Studies of the mouse homolog indicate an up-regulation of expression in the course of postnatal mouse cerebral development and activation of the cjun N-terminal kinase (JNK) and the p38 pathways. [provided by RefSeq, Mar 2016] |