

Product datasheet for **SC309180**

MAP4K6 (MINK1) (NM_170663) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP4K6 (MINK1) (NM_170663) Human Untagged Clone
Tag:	Tag Free
Symbol:	MINK1
Synonyms:	B55; MAP4K6; MINK; YSK2; ZC3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_170663, the custom clone sequence may differ by one or more nucleotides

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ATGGGCGACCCAGCCCCCGCCGACGCTGGACGACATCGACCTGCCGCCCTGCCGGAC
CCTGCTGGGATCTTTGAGCTTGTGGAGGTGGTCGGCAATGGAACCTACGGACAGGTGTAC
AAGGGTCGGCATGTCAAGACGGGGCAGCTGGCTGCCATCAAGGTCATGGATGTCACGGAG
GACGAGGAGGAAGAGATCAAACAGGAGATCAACATGCTGAAAAAGTACTCTACCACCGC
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ACCGTGGGCAGACGGAACACTTTTATTGGGACTCCCTACTGGATGGCTCCAGAGGTCATC
GCCTGTGATGAGAACCCTGATGCCACCTATGATTACAGGAGTGATATTTGGTCTCTAGGA
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GCCCTCTTCCTCATTCTCGAACCCCTCCGCCAGGCTCAAGTCCAAGAAGTGGTCTAAG
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GAAAATAAGAGCAACTCAGAGGCTTTAAAACAGCAGCAGCAGCTGCAGCAGCAGCAGCAG
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CAGAAGGAGGAGCGCGCCGCTGGAGGAGCAACAGCGCGGGAGCGGGAGCAGCGGAAG
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CAGCAGCAACAGCAGCAGCAGCTTCAGAAAACAGCAGCAGCAGCAGCTCCTGCCTGGGGAC
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CGAGAGGTAGAAGAGAGAACAAGGATGAACAAGCAGCAGAACTCTCCCTTGGCCAAGAGC
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CCCCTTCCCAGACTCCTCCTATGCAGAGGCCGGTGGAGCCCCAGGAGGGACCGCACAAAG

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AGCCTGGTGGCACACCGGGTCCCCTGAAGCCATATGCAGCACCTGTACCCCGATCCCAG
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CCTGCCATCCCCGCACCCACTGCCACGCCAGTGCCTGAGGAGCTGTCATCCGCCAGAAT
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TACGAGGACGAGGGTGTCTACGTCAACACGTACGGGCGCATATTAAGGATGTGGTGTG
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GGTGAGAAAGCCATTGAGATCCGCTCTGTGGAGACGGGCCACCTCGACGGGGTCTTCATG
CACAAACGAGCTCAGAGGCTCAAGTTCTGTGTGAGCGGAATGACAAGGTGTTTTTTGCC
TCAGTCCGCTCTGGGGCAGCAGCAAGTTTACTTTCATGACTCTGAACCGTAACTGCATC
ATGAACTGGTGA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM_170663
- OTI Disclaimer:** 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_170663.2](#), [NP_733763.1](#)

RefSeq Size: 4902 bp

RefSeq ORF: 3912 bp

Locus ID: 50488

UniProt ID: [Q8N4C8](#)

Cytogenetics: 17p13.2

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: 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]
Transcript Variant: This variant (2) includes an additional in-frame exon, compared to variant 1, resulting in a longer isoform (2) that has a unique internal segment, compared to isoform 1.