

Product datasheet for **SC117893**

MAP4K3 (NM_003618) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAP4K3 (NM_003618) Human Untagged Clone
Tag: Tag Free
Symbol: MAP4K3
Synonyms: GLK; MAPKKK3; MEKKK 3; MEKKK3; RAB8IPL1
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_003618 edited
GCGAGGGTTTTCTCCTTGTGGGTGTGACCAGGTTCCGGCGGGCGGGCCGCGGGG
GGCGGGGACGATTGGCCGCTTGTGCTCGTCCGCAGCGCGGTGAGGGGAGCGGGCGGGG
GCGGCGGGCGGGCCGCAGCGTGGAGCCGGGTGATTGTGACCGCGGGGAGCCGGGAGC
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003618 unedited
GAGGGGCTGCGAGGGTTTTCTCTCCTTGTGGGTGTGACCAGGTTGCGCGCGGGCGGG
CCGCGGGGGCGGGGACGATTGGCCGCTTGTGCTCGTCCGACGCGGCGTGAGGGAGCGG
CGGCGGGCGGGCGGGCGGGCCGCGAGCGTGGAGCCGGTGATTGTGACCGCCGGGGAG
CCGGGAGCGGGCCGCGGCCCTCTCTCCGTGTGGCCCCCTGAGCGGCCCCCTCCCTG
CCCGGAGGGAGGCGGGGGCACCTGGGCCCCGCATGAACCCCGCTTCGATTTGTCCC
GCCGGAACCCGACAGGAGACTTCGAGCTGATTCAGCGCATCGGCAGCGGCACCTACGGCG
ACGTCTACAAGGCACGGAATGTTAACACTGGTGAATTAGCAGCAATTAAGTAATAAAAT
TGAACCAAGGAGAAGACTTTGCAGTTGTGCAGCAAGAAATATCATGATGAAAGACTGTA
AACACCCAAATATTGTTGCTTATTTGGAAGCTATCTCAGGCGAGATAAGCTTTGGATTT
GCATTGGAGTTTTGTGGGAAGGTGGTTCTTTACAGGATATTTATCACGTAACCTGGACCT
CTGTCAGAACTGCAAATGCATATGTTAGCAGAGAAACTGCAGGGATTATATTATCTT
CACAGTAAAGGAAAAATGCACAGAGATATTAAGGGAGCTAACATTCTATTAACGGATAA
TGGGNCATGTGAAATGGCTGATTTTTGGAGTATCTGCACAGATNACAGCTACAATTGCA
AACGGGAGTCTTTATTGGCACAC
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003618 unedited GGGAAATTGGGAAACATGTTTCATTTTTTCATATGTACAATCAGGNACATATTTTAAAAC CATTATCATTAATAAATAAATGAAGATCATAAATCACAATTTAGTTTGTCTTAGTGTATAT ACTCACATTAATAAATAAAGAACATATACCAAAAAGAGCCAAAAGTGTGCATTTTGCTAA AACCTGGTATATACATATCCATTGGAAAAAGCAATCAATATTGACTTAAACAAAAC AAGTTCCTGTGATGTGTAGTAACCATTATATTGTTTGTATGAGGTAGTAACTAAATTT TTGGCCATGTATTAATACTCTAAGTCAAAGAAATATGAAAAGGATCATAAATAAAGGCC AACAAAAGTAAAAATTCCAAGAGAAATTTGAACCACTTCACTCTATGGAATGTTACAGTT CTTCAGTGTGATCATATGAAATGTTTAGTGAGGACTCTTAATAATGCTAATTAATTCTT TGTGCATACTGTAATTCTGACCACAATTGCAGTATTCTATCATGGTACCGCTATTCTGTG ATTCAAAATGTTCAAAGGTATTGTTTTTAAGCAAAGACAAGCAATCTTACAGGATTCTG CTTAAATATAAAAAGACCAGTTACTACAACATGTGGTTAATTATAATTGGTTTGCTTAC ATAGAAAACAATCCAATACATTTGTGGAGCCAAATGCTTATAGACAATGTCACAGCTTA CTTTTGTGACTTAATACATCACATATCAATACTTTGTGCAAATATAAACACCAGTGTACT TGCATTAATAAATAAAAAGATTATAAATGATTACAGCCTCCATTACAATTTTAAAAGTTA NCAGATTTATATTCATATTACTAAATTACATATAATAAAAAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_003618
Insert Size:	4200 bp
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).
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:	<ol style="list-style-type: none"> 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_003618.2 , NP_003609.2
RefSeq Size:	4141 bp
RefSeq ORF:	2685 bp
Locus ID:	8491
UniProt ID:	Q8IVH8
Cytogenetics:	2p22.1
Domains:	pkinase, CNH, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase

Protein Pathways: MAPK signaling pathway

Gene Summary: This gene encodes a member of the mitogen-activated protein kinase kinase kinase kinase family. The encoded protein activates key effectors in cell signalling, among them c-Jun. Alternatively spliced transcripts encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.