

## Product datasheet for **RC234983**

### MAP4K3 (NM\_001270425) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAP4K3 (NM_001270425) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAP4K3
Synonyms:	GLK; MAPKKKK3; MEKKK 3; MEKKK3; RAB8IPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234983 representing NM\_001270425  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCCGGCTTCGATTTGTCCCGCCGGAACCCGAGGAGACTTCGAGCTGATTCAGCGCATCGGCA  
 GCGGCACCTACGGCGACGTCTACAAGGCACGGAATGTTAACTGGTGAATTAGCAGCAATTAAGTAAT  
 AAAATTGGAACAGGAGAAGACTTTGCAGTTGTGCAGCAAGAAATTTATTGATGAAAGACTGTAACAC  
 CCAAATATTGTTGCTTATTTGGAAGCTATCTCAGGCGAGATAAGCTTTGGATTTGCATGGAGTTTTGTG  
 GAGGTGGTTCTTTACAGGATATTTATCACGTAACCTGGACCTCTGTCAGAACTGCAAATTCATATGTTAG  
 CAGAGAAACACTGCAGGGATTATATTATCTTACAGTAAAGGAAAAATGCACAGAGATATAAAGGGAGCT  
 AACATTCTATAACGGATAATGGTCATGTGAAATGGCTGATTTTGGAGTATCTGCACAGATAACAGCTA  
 CAATTGCCAAACGGAAGCTTTTCATTGGCACACCATATTGGATGGCTCCAGAAGTTGCAGCTGTTGAGAG  
 GAAGGGGGTTACAATCAACTCTGTGATCTCTGGCAGTGGGAATCACTGCCATAGAAGTTGCAGAGCTT  
 CAGCCTCCTATGTTTGACTTACACCCAATGAGAGCATTATTTCTAATGACAAAAAGCAATTTTCAGCCTC  
 CTAACCTAAAGGATAAAATGAAATGGTCAAAATAGTTTTTCATCACTTTGTGAAAAATGGCACTTACCAAAA  
 TCCGAAAAAAGACCTACTGCTGAAAAATTTATTACAGCATCCTTTTGTAAACAACATTTGACACGGTCT  
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 ATCCTGAGCCTCTTGTGCTGTACCACATAGAATTCACCTCAACAAGTAGAAAAGTGAAGAGAAAAAAC  
 ACGCTCAGAGATAACCTTTGGCCAAGTGAATTTGATCCACCTTAAGAAAGGAGACAGAACCACATCAT  
 GAACTTGATCTGCAACTGGAATATGGACAAGGACCAAGTGGTTACTTTTTAGGTGCAAAACAAGAGTC  
 TTCTCAAGTCTGTTGAAGAAGAATTGCATCAGCGAGGACACGTCGCACATTTAGAAGATGATGAAGGACA  
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 AATTCATGTGCATCATCATGGATAAACCAGATAACAAGAGATCAGTACTTGATATTTGGTCCGAAGAA  
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 CATGGTTGATGTAATGAACAATGCTTGTATCAATATCTGGTAAAGCTTCTCAGCTTTATTCCATAA  
 TTTACCAGGGCTTTTTGATTATGCAAGCAAAATGCAAAAGTTACCTGTTGCTATTCCAGCACAAAACTC  
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 GTTGTGTTGTAAGAAATCCTTACACGGGCCATAAATACCTATGTGGAGCACTTCAGACTAGCATTGTTCT  
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 GACTGTTGTATAAAAAATAGTAAATCTCCAAGGAAGATTAAAAATCTAGCAGGAAATTTGTCAGAACTCA  
 CCTTTGATTTCCAGATTGAATCAATAGTGTGCCTACAAGACAGTGTGCTAGCTTTCTGAAAACATGGAAT  
 GCAAGGTAGAAGTTTTAGATCTAATGAGGTAACACAAGAAATTTAGATAGCACAGAATTTTCAGGCTG  
 CTTGGATCTGACAGGTCGTGGTTTTGAAAGTAGGCCAACTGATAACCCACAGCAAAATAGCAATTTGT  
 ACATCCTGGCGGGTCATGAAAACAGTTAC

**ACGGT**ACGGCGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234983 representing NM\_001270425  
Red=Cloning site Green=Tags(s)

MNPGFDLSRRNPQEDFELIQRIGSGTYGDVYKARNVNTGELAAIKVIKLEPGEDFAVVQQEIMMKDCKH  
 PNIVAYFGSYLRDRLWICMEFCGGSLQDIYHVTGPLSELQIAYVSRETLQGLYYLHSGKMRDIKGA  
 NILLTDNGHVKLADFGVSAQITATIARKRSFIGTPYWMAPEVAVERKGGYNQLCDLWAVGITAIELAE  
 QPPMFDLHPMRALFLMTKSNFQPPKLDKMKWSNSFHHFVKMALTKNPKKRPTAEKLLQHPFVTQHLTRS  
 LAIELLDKVNPDHSTYHDFDDDDPEPLVAVPHRIHSTSRNVREKTRSEITFGQVKFDPPLRKETEPHH  
 ELDLQLEYGQGHQGGYFLGANKSLLKSVEEELHQRGHVAHLEDEGDDDESKHSTLKAKIPPLPPKPKS  
 IFIPQEMHSTEDENQGTIKRCPMSGSPAKPSQVPPRPPPPRLPPHKPVALGNGMSSFLNGERDGSQCQQ  
 QNEHRGNTLSRKEKDVPKPISNGLPPTPKVHMGACFSKVFNGCPLKIHCASSWINPDTRDQYLIFGAAE  
 GIYTLNLNELHETSMEQLFPRRCTWLVMNCLLSISGKASQLYSHNLPGLFDYARQMQLPVAIPAHKL  
 PDRILPRKFSVSAKIPETKWCQKCCVVRNPYTGHKYLCGALQTSIVLLEWVPMQKFMLIKIDFPICP  
 LRMFEMLVVPEQEYPLVCVGVSRGRDFNQVRFETVNPNSTSSWFTESDTPQTNVTHVTQLERDITLVCL  
 DCCIKIVNLQGRKSSRKLSSLETFDFQIESIVCLQDSVLAFWKHGMQGRSFRSNEVTQEISDSTRIFRL  
 LGSDRVVLESRPTDNPTANSNLYILAGHENS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

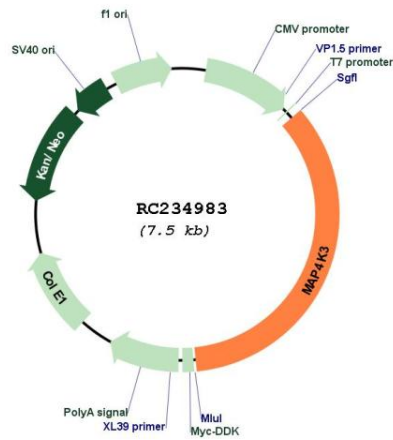
Sgfl-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_001270425
<b>ORF Size:</b>	2619 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001270425.2</a>
<b>RefSeq Size:</b>	4299 bp
<b>RefSeq ORF:</b>	2622 bp
<b>Locus ID:</b>	8491
<b>UniProt ID:</b>	<a href="#">Q8IVH8</a>
<b>Cytogenetics:</b>	2p22.1
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>Protein Pathways:</b>	MAPK signaling pathway
<b>MW:</b>	99.4 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC234983