

Product datasheet for **RG234983**

MAP4K3 (NM_001270425) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP4K3 (NM_001270425) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAP4K3
Synonyms:	GLK; MAPKKKK3; MEKKK 3; MEKKK3; RAB8IPL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234983 representing NM_001270425
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCCCGCTTCGATTTGTCCCGCCGGAACCCGAGGAGACTTCGAGCTGATTTCAGCGCATCGGCA
 GCGGCACCTACGGCGACGTCTACAAGGCACGGAATGTTAACTGGTGAATTAGCAGCAATTAAGTAAT
 AAAATTGGAACAGGAGAAGACTTTGCAGTTGTGCAGCAAGAAATTTATTATGATGAAAGACTGTAACAC
 CCAAATATTGTTGCTTATTTTGAAGCTATCTCAGGCGAGATAAGCTTTGGATTTGCATGGAGTTTTGTG
 GAGGTGGTTCTTTACAGGATATTTATCACGTAACCTGGACCTCTGTCAGAACTGCAAATTCATATGTTAG
 CAGAGAAACACTGCAGGGATTATATTATCTTCACAGTAAAGGAAAAATGCACAGAGATATAAAGGGAGCT
 AACATTCTATAACGGATAATGGTCATGTGAAATTTGGCTGATTTTGGAGTATCTGCACAGATAACAGCTA
 CAATTGCCAAACGGAAGCTTTTCATTGGCACACCATATTGGATGGCTCCAGAAGTTGCAGCTGTTGAGAG
 GAAGGGGGTTACAATCAACTCTGTGATCTCTGGCAGTGGGAATCACTGCCATAGAAGTTGCAGAGCTT
 CAGCCTCCTATGTTTGACTTACACCCAATGAGAGCATTATTTCTAATGACAAAAAGCAATTTTCAGCCTC
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 AATTCATGTGCATCATCATGGATAAACCAGATAACAAGAGATCAGTACTTGATATTTGGTGCCGAAGAA
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 CTTGGATCTGACAGGTCGTGGTTTTGAAAGTAGGCCAACTGATAACCCACAGCAAATAGCAATTTGT
 ACATCCTGGCGGGTCATGAAAACAGTTAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234983 representing NM_001270425
Red=Cloning site Green=Tags(s)

MNPGFDLSRRNPQEDFELIQRIGSGTYGDVYKARNVNTGELAAIKVIKLEPGEDFAVVQQEIMMKDCKH
 PNIVAYFGSYLRRDKLWICMEFCGGSLQDIYHVTGPLSELQIAYVSRETQGLYYLHSGKGMHRDIKGA
 NILLTDNGHVKLADFGVSAQITATIARKRSFIGTPYWMAPEVAVERKGGYNQLCDLWAVGITAIELAE
 QPPMFDLHPMRALFLMTKSNFQPPKLDKMKWSNSFHFFVKMALTKNPKKRPTAEKLLQHPFVTQHLTRS
 LAIELLDKVNNDHSTYHDFDDDDPEPLVAVPHRIHSTSRNVREKTRSEITFGQVKFDPPLRKETEPHH
 ELDLQLEYGQGHQGGYFLGANKSLLKSVEEELHQRGHVAHLEDEGDDDESKHSTLKAKIPPLPPKPKS
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 QNEHRGNTLSRKEKDVPKPISNGLPPTPKVHMGACFSKVFNGCPLKIHCASSWINPDTRDQYLIFGAE
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 PDRILPRKFSVSAKIPETKWCQKCCVVRNPYTGHKYLCGALQTSIVLLEWVPMQKFMLIKIDFPICP
 LRMFEMLVVPEQEYPLVCVGVSRGRDFNQVRFETVNPNSTSSWFTESDTPQTNVTHVTQLERDITLVCL
 DCCIKIVNLQGRKSSRKLSSLETFDFQIESIVCLQDSVLAFWKHGMQGRSFRSNEVTQEISDSTRIFRL
 LGS DRVV VLES RPTD NPTANS NLYILAGHENS Y

TRTRPLE - GFP Tag - V

Restriction Sites:

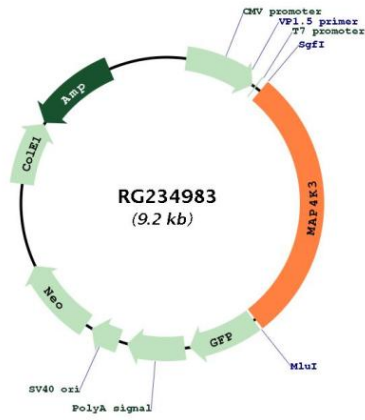
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001270425
ORF Size:	2619 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:	<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_001270425.2
RefSeq Size:	4299 bp
RefSeq ORF:	2622 bp
Locus ID:	8491
UniProt ID:	Q8IVH8
Cytogenetics:	2p22.1
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]

Product images:



Circular map for RG234983