

Product datasheet for **RG204403**

MAP4K6 (MINK1) (NM_153827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP4K6 (MINK1) (NM_153827) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAP4K6
Synonyms:	B55; MAP4K6; MINK; YSK2; ZC3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204403 representing NM_153827 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCGACCCAGCCCCCGCCGCGAGCCTGGACGACATCGACCTGTCCGCCCTGCGGGACCCTGCTGGGA
TCTTTGAGCTTGTGGAGGTGGTCGGCAATGGAACCTACGGACAGGTGTACAAGGGTCGGCATGTCAAGAC
GGGGCAGCTGGTGCCATCAAGGTCATGGATGTCACGGAGGACGAGGAGGAAGAGATCAACAGGAGATC
AACATGCTGAAAAAGTACTCTCACCACCGCAACATCGCCACCTACTACGGAGCCTTCATCAAGAAGAGCC
CCCCGGGAAACGATGACCAGCTCTGGCTGGTGATGGAGTTCTGTGGTGCTGGTTCAGTGACTGACCTGGT
AAAGAACACAAAAGGCAACGCCCTGAAGGAGGACTGTATCGCCTATATCTGCAGGGAGATCCTCAGGGGT
CTGGCCCATCTCCATGCCCAAGGTGATCCATCGAGACATCAAGGGGCAGAATGTGCTGCTGACAGAGA
ATGCTGAGGTCAAGCTAGTGGAATTTGGGGTGAGTGCTCAGCTGGACCGACCGTGGGCAGACGGAACAC
TTTCATTGGGACTCCCTACTGGATGGCTCCAGAGGTTCATCGCCTGTGATGAGAACCCTGATGCCACCTAT
GATTACAGGAGTGATATTTGGTCTCTAGGAATCACAGCCATCGAGATGGCAGAGGGAGCCCCCTCTGT
GTGACATGCACCCCATGCGAGCCCTCTTCCTATTCTCGGAACCCTCCGCCAGGCTCAAGTCCAAGAA
GTGGTCTAAGAAGTTCATTGACTTCATTGACACATGTCTCATCAAGACTTACCTGAGCCGCCACCCACG
GAGCAGCTACTGAAGTTTCCCTTCATCCGGGACCAGCCACGGAGCGGCAGGTCCGCATCCAGCTTAAGG
ACCACATTGACCGATCCCGGAAGAAGCGGGGTGAGAAAGAGGAGACAGAATATGAGTACAGCGGCAGCGA
GGAGGAAGATGACAGCCATGGAGAGGAAGGAGAGCCAAGCTCCATCATGAACGTGCCTGGAGAGTCGACT
CTACGCCGGGAGTTTCTCCGGCTCCAGCAGGAAAATAAGAGCAACTCAGAGGCTTTAAAACAGCAGCAGC
AGCTGCAGC
CATAGAGGAGCAGAAGGAGGAGCGGCGCGCTGGAGGAGCAACAGCGGCGGAGCGGGAGCAGCGGAAG
CTGCAGGAGAAGGAGCAGCAGCGCGGCTGGAGGACATGCAGGCTCTGCGGCGGAGGAGGAGCGGCGGC
AGGCGGAGCGGAGCAGGAATACAAGCGGAAGCAGCTGGAGGAGCAGCGGAGTCAGAACGTCTCCAGAG
GCAGCTGCAGCAGGAGCATGCCTACCTCAAGTCCCTGCAGCAGCAGCAACAGCAGCAGCAGCTTCAGAAA



[View online »](#)

CAGCAGCAGCAGCAGCTCCTGCCTGGGGACAGGAAGCCCCTGTACCATTATGGTCGGGGCATGAATCCCC
 CTGACAAACCAGCCTGGGCCCAGAGGTAGAAGAGAGAACAGGATGAACAAGCAGCAGAACTCTCCCTT
 GGCCAAGAGCAAGCCAGGCAGCAGGGGCTGAGCCCCCATCCCCAGGCCTCCCCAGGGCCCCCAGGA
 CCCCTTTCCAGACTCCTCCTATGCAGAGGCGGTGGAGCCCCAGGAGGGACCGACAAGAGCCTGGTGG
 CACACCGGGTCCCACTGAAGCCATATGCAGCACCTGTACCCCGATCCCAGTCCCTGCAGGACCAGCCAC
 CCGAAACCTGGCTGCCTTCCCAGCCTCCCATGACCCCGACCCTGCCATCCCCGCACCCACTGCCACGCCC
 AGTGCCCGAGGAGCTGTATCCGCCAGAATTAGACCCCACTCTGAAGGACCTGGCCCCAGCCCCGAATC
 CCCCAGCCTGGGTCCGCCAGATAACGAGGCCCCACCAAGGTGCCTCAGAGGACCTCATCTATCGCCAC
 TGCCCTTAACACCAGTGGGGCCGAGGGTCCCGCCAGCCAGGCAGTCCGTGCCAGACCTCGCAGCAAC
 TCCGCTGGCAAATCTATCTGCAAAGCGGGCAGAGCGGGGCACCCCAAAGCCTCCAGGGCCCCCTGCTC
 AGCCCCCTGGCCCGCCCAACGCCTCTAGTAACCCCGACCTCAGGAGGAGCGACCCTGGCTGGGAACGCTC
 GGACAGCGTCTTCCAGCCTCTCACGGGCACCTCCCCAGGCTGGCTCACTGGAGCGAACCAGCTGGGA
 GCCTCCTCCAACTGGACAGTCCCTGTGCTCTCCCCTGGGAATAAAGCCAAGCCCGACGACCACCGCT
 CACGGCCAGGCCGCCCCGACACTTTGTGTTGCTGAAAGAGCGGACTCTGGACGAGGCCCTCGGCTCC
 CAAGAAGCCATGGACTACTCGTCCAGCGAGGAGGTGAAAGCAGTGAGGACGACGAGGAGGAAGGC
 GAAGGCGGGCCAGCAGAGGGGAGCAGAGATACCCCTGGGGGCCGAGCGATGGGGATACAGACAGCGTCA
 GCACCATGGTGGTCCACGACGTCGAGGAGATACCCGGGACCCAGCCCCATACGGGGGCGGCACCATGGT
 GGTCCAGCGCACCCCTGAAGAGGAGCGGAACCTGCTGCATGCTGACAGCAATGGGTACACAAACCTGCCT
 GACGTGGTCCAGCCCAGCCACTACCCACCGAGAACAGCAAAGGCCAAAGCCACCCCTCGAAGGATGGGA
 GTGGTGACTACAGTCTCGTGGGCTGGTAAAGGCCCTGGCAAGAGCTCGTTCACGATGTTTGTGGATCT
 AGGGATCTACAGCCTGGAGGAGTGGGACAGCATCCCCATCACAGCCCTAGTGGGTGGAGAGGGCACT
 CGGCTCGACAGCTGCAGTACGACGTGAGGAAGGGTTCTGTGGTCAACGTGAATCCCAACACCCGGG
 CCCACAGTGAGACCCCTGAGATCCGGAAGTACAAGAAGCGATTCAACTCCGAGATCCTCTGTGCAGCCCT
 TTGGGGGGTCAACCTGCTGGTGGGCACGAGAACGGGCTGATGTTGCTGGACCGAAGTGGGCAGGGCAAG
 GTGTATGGACTATTGGGCGGCGACGCTTCCAGCAGATGGATGTGCTGGAGGGGCTCAACCTGCTCATCA
 CCATCTCAGGGAAAAGGAACAACTGCGGGTGTATTACCTGTCTGGCTCCGGAACAAGATTCTGCACAA
 TGACCCAGAAGTGGAGAAGAAGCAGGGCTGGACCACCGTGGGGGACATGGAGGGCTGCGGGCACTACCGT
 GTTGTGAAATACGAGCGGATTAAGTTCTGGTTCATCGCCCTCAAGAGCTCCGTGGAGGTGTATGCCTGGG
 CCCCCAAACCCTACCACAAATTCATGGCCTTCAAGTCCTTGCCGACCTCCCCACCGCCCTCTGCTGGT
 CGACCTGACAGTAGAGGAGGGGACGCGGCTCAAGGTCATCTATGGCTCCAGTGTGGCTTCCATGCTGTG
 GATGTGACTCGGGGAACAGCTATGACATCTACATCCCTGTGCACATCCAGAGCCAGATCACGCCCCATG
 CCATCATCTTCTCCCCAACCCGACGGCATGGAGATGCTGCTGTGCTACGAGGACGAGGGTGTCTACGT
 CAACACGTACGGGCGCATCATTAAAGGATGTGGTGTGCTGAGTGGGGGAGATGCCTACTTCTGTGGCTAC
 ATCTGCTCCAACCAGATAATGGGCTGGGGTGAGAAAGCCATTGAGATCCGCTCTGTGGAGACGGGCCACC
 TCGACGGGGTCTTCATGCACAAACGAGCTCAGAGGCTCAAGTTCTGTGTGAGCGGAATGACAAGGTGTT
 TTTTGCCTCAGTCCGCTCTGGGGGACGAGCAAGTTTACTTCATGACTCTGAACCGTAACCTGCATCATG
 AACTGG

ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

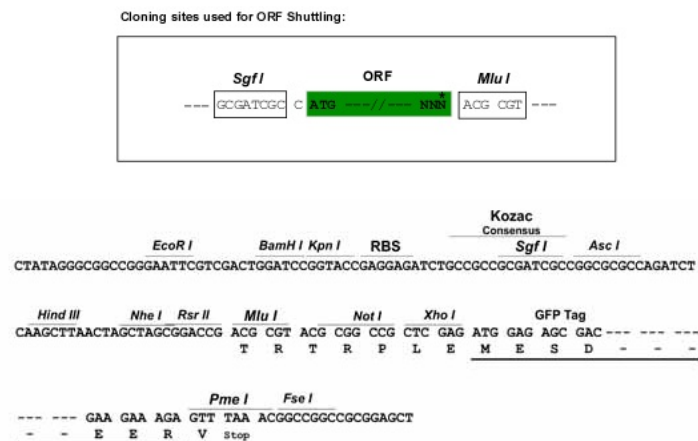
Protein Sequence: >RG204403 representing NM_153827
Red=Cloning site Green=Tags(s)

MGDPAPARSLDDIDL SALRDPAGIFELVEVVNGTYGQVYKGRHVKTGQLAAIKVMDVTEDEEEEIKQEI
NMLKKYSHHRNIATYYGAFIKKSPPGNDDQLWL VMEFCGAGSVTDLVKNTKGNALKEDCIAIYICREILRG
LAHLHAHKVIHRDIKGQNVLL TENAEVKLVDFGVSQQLDRTVGRNRTF IGTPYWMAPEVIACDENPDATY
DYRSDIWSLGITAIEMAEGAPPLCDMHPMRALFLIPRNPPRLKSKWSKKFIDFIDTCLIKTYLSRPPT
EQLLKFPFIRDQPTERQVRIQLKDHIDRSRKKRGEKEETEYEGSGSEEDDSHGEEGEPSSIMNVPGEST
LRREFRLQQENKSNSEALKQQQQQLQQQQQORDPEAHIKHLLHQRRRIEEQKEERRRVEEQRREREQRK
LQEKEQQRRLEDQMQLRREEERRQAEREQEYKRKQLEEQRQSERLQRQLQQEHAYLKSLLQQQQQQQLQK
QQQQQLLPGDRKPLYHYGRGMNPADKPAWAREVEERTRMNKQNSPLAKSKPGSTGPEPPIPQASPGPPG
PLSQTPPMQRPVEPQEGPHKSLVAHRVPLKPYAAPVPRSQSLQDQPTRNLAAFPASHDPDPAIPAPTATP
SARGAVIRQNSDPTSEGPGSPNPPAWVRPDNEAPPKVPQRTSSIALNTSGAGSRPAQAVRARPRSN
SAWQIYLQRRARERTPKPPGPPAQPPGPPNASSNPDLRRSDPGWERSDSVLPASHGHLPPQAGSLERNRVG
ASSKLDSSPVLSPGNKAKPDHRSRPGPADFVLLKERTLDEAPRPPKKAMDYSSSSEEVESSEDEEEG
EGGPAEGSRDTPGGRSDGDTDSVSTMVVDVEEITGTQPPYGGGTMMVQRTPEEERNLLHADSNGYTNLP
DVVQPSHSPTENSKGQSPPSKDGSGDYQSRGLVKAPGKSSFTMFVDLGIYQPGGSGDSIPITALVGEGGT
RLDQLQYDVRKGSVVNVNPTNTRAHSETPEIRKYKRFNSEILCAALWGNLLVGTENGLMLLDRSGQK
VYGLIGRRRFQQMDVLEGLNLLITISGRNKLRYVYLSWLRNKLHNDPEVEKKQGWTTVGDMEGCGHYR
VVKYERIKFLVIALKSSVEVYAWAPKPYHKFMAFKSFADLPHRPLLVDL TVEEQRLKVIYGSSAGFHAV
DVDGNSYDIYIPVHIQSQITPHAIIFLPNTDGMEMLLCYEDEGVYVNTYGRIIKDVVLQWGEPTSVAI
ICSNQIMGWGEKAIEIRSVETGHLDGVMHKRAQRLKFLCERNKVFVASFVRSGGSSQVYFMTLNRNCIM
NW

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

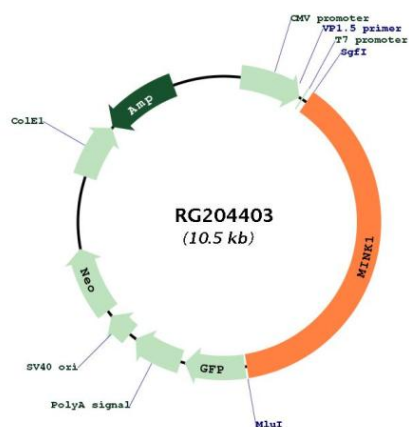


ACCN: NM_153827

ORF Size: 3996 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_153827.1
RefSeq Size:	4989 bp
RefSeq ORF:	3999 bp
Locus ID:	50488
UniProt ID:	Q8N4C8
Cytogenetics:	17p13.2
Domains:	pkinase, CNH, TyrKc, S_TKc
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]

Product images:



Circular map for RG204403