

Product datasheet for **RG234187**

MAP3K8 (NM_001244134) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K8 (NM_001244134) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAP3K8
Synonyms:	AURA2; c-COT; COT; EST; ESTF; MEKK8; Tpl-2; TPL2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234187 representing NM_001244134
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTACATGAGCACTGGAAGTGACAATAAAGAAGAGATTGATTTATTAATTAACATTTAAATGTGT
 CTGATGTAATAGACATTATGAAAAATCTTTATGCAAGTGAAGAGCCAGCAGTTTATGAACCCAGTCTAAT
 GACCATGTGTCAAGACAGTAATCAAAACGATGAGCGTTCTAAGTCTCTGCTGCTTGTGGCCAAGAGGTA
 CCATGGTTGTCATCAGTCAGATATGGAAGTGTGGAGGATTTGCTTGTCTTTGCAAACCATATATCCAACA
 CTGCAAAGCATTTTTATGGACAACGACCACAGGAATCTGGAATTTTATTAACATGGTCATCACTCCCCA
 AAATGGACGTTACCAATAGATTCGATGTTCTCCTGATCCCCTGGAAGCTGACTTACAGGAATATTGGT
 TCTGATTTTATTCCTCGGGCGCCTTTGGAAAGGTATACTTGGCACAAGATATAAAGACGAAGAAAAGAA
 TGGCGTGTAAACTGATCCAGTAGATCAATTTAAGCCATCTGATGTGAAATCCAGGCTTGTCTCCGGCA
 CGAGAACATCGCAGAGCTGATGGCGCAGTCTGTGGGTGAAACTGTCCATCTCTTTATGGAAGCAGGC
 GAGGGAGGGTCTGTTCTGGAGAACTGGAGAGCTGTGGACCAATGAGAGAATTTGAAATTTTGGGTGA
 CAAAGCATGTTCTCAAGGACTTGATTTTCTACTCAAAAGAAAGTGATCCATCATGATATTAACCTAG
 CAACATTGTTTTCATGTCCACAAAAGCTGTTTTGGTGGATTTTGGCCTAAGTGTTCAATGACCGAAGAT
 GTCTATTTTCTAAGGACCTCCGAGGAACAGAGATTTACATGAGCCCAGAGGTCATCCTGTGCAGGGGCC
 ATTCAACCAAAGCAGACATCTACAGCCTGGGGGCCACGCTCATCCACATGCAGACGGGCACCCACCCCTG
 GGTGAAGCGCTACCCTCGCTCAGCCTATCCCTCTACCTGTACATAATCCACAAGCAAGCACCTCCACTG
 GAAGACATTGCAGATGACTGCAGTCCAGGGATGAGAGAGCTGATAGAAGCTTCCCTGGAGAGAAACCCCA
 ATCACCGCCCAAGAGCCGAGACCTACTAAAACATGAGGCCCTGAACCCGCCAGAGAGGATCAGCCACG
 CTGTGAGAGTCTGGACTCTGCCCTCTGGAGCGCAAGAGGCTGCTGAGTAGGAAGGAGCTGGAACCTCCT
 GAGAACATTGCTGATTCTTCGTGCACAGGAAGCACCGAGGAATCTGAGATGCTCAAGAGGCAACGCTCTC
 TCTACATCGACCTCGGCCTCTGGCTGGCTACTTCAATCTTGTTCCGGGACCACCAACGCTTGAATATGG
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG234187 representing NM_001244134
 Red=Cloning site Green=Tags(s)

MEYMSTGSDNKEEIDLLIKHLNVSDVIDIMENLYASEEPVYEPSLMTMCQDSNQNDERSKSLLLSGQEV
 PWLSSVRYGTVEDLLAFANHISNTAKHFYQRPQESGILLNMVITPQNGRYQIDSDVLLIPWKLTYRNIG
 SDFIPRGAFGKVYLAQDIKTKKRMACKLIPVDQFKPSDVEIQACFRHENIAELYGAVLWGETVHLFMEAG
 EGGSVLEKLESCGPMREFEIIWVTKHVLKGLDFLHSSKVIHHDIKPSNIVFMSTKAVLVDFGLSVQMTED
 VYFPKDLRGTEIYMSPEVILCRGHSTKADIYSLGATLIHMQTGTPPWVKRYPRSAVPSYLYIIHKQAPPL
 EDIADDCSPGMRELIEASLERNPNHRPRAADLLKHEALNPPREDQPRCQSLDSALLERKRLLSRKELELP
 ENIADSSCTGSTEESEMLKRQRSLYIDL GALAGYFNLVVRGPPTLEYG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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_001244134.1 , NP_001231063.1
RefSeq Size:	2782 bp
RefSeq ORF:	1404 bp
Locus ID:	1326
UniProt ID:	P41279
Cytogenetics:	10p11.23
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway
Gene Summary:	<p>This gene is an oncogene that encodes a member of the serine/threonine protein kinase family. The encoded protein localizes to the cytoplasm and can activate both the MAP kinase and JNK kinase pathways. This protein was shown to activate IκB kinases, and thus induce the nuclear production of NF-κB. This protein was also found to promote the production of TNF-α and IL-2 during T lymphocyte activation. This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011]</p>