

Product datasheet for **RG211171**

MAP3K8 (NM_005204) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K8 (NM_005204) 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:

>RG211171 representing NM_005204
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTACATGAGCACTGGAAGTGACAATAAAGAAGAGATTGATTTATTAATTAACATTTAAATGTGT
 CTGATGTAATAGACATTATGAAAACTTTATGCAAGTGAAGAGCCAGCAGTTTATGAACCCAGTCTAAT
 GACCATGTGTCAAGACAGTAATCAAAACGATGAGCGTTCTAAGTCTCTGCTGCTTGTGGCCAAGAGGTA
 CCATGGTTGTCATCAGTCAGATATGGAAGTGTGGAGGATTTGCTTGTCTTTGCAAACCATATATCCAACA
 CTGCAAAGCATTTTTATGGACAACGACCACAGGAATCTGGAATTTTATTAACATGGTCATCACTCCCCA
 AAATGGACGTTACCAATAGATTCGATGTTCTCCTGATCCCCTGGAAGCTGACTTACAGGAATATTGGT
 TCTGATTTTATTCCTCGGGCGCCTTTGGAAAGGTATACTTGGCACAAGATATAAAGACGAAGAAAAGAA
 TGGCGTGTAAACTGATCCAGTAGATCAATTTAAGCCATCTGATGTGAAATCCAGGCTTGTCCGGCA
 CGAGAACATCGCAGAGCTGATGGCGCAGTCTGTGGGTGAAACTGTCCATCTCTTTATGGAAGCAGGC
 GAGGGAGGGTCTGTTCTGGAGAACTGGAGAGCTGTGGACCAATGAGAGAATTTGAAATTTTGGGTGA
 CAAAGCATGTTCTCAAGGACTTGATTTTCTACTCAAAAGAAAGTGATCCATCATGATATTAACCTAG
 CAACATTGTTTTCATGTCCACAAAAGCTGTTTTGGTGGATTTTGGCCTAAGTGTTCAATGACCGAAGAT
 GTCTATTTTCTAAGGACCTCCGAGGAACAGAGATTTACATGAGCCCAGAGGTCATCCTGTGCAGGGGCC
 ATTCAACCAAAGCAGACATCTACAGCCTGGGGGCCACGCTCATCCACATGCAGACGGGCACCCACCCCTG
 GGTGAAGCGCTACCCTCGCTCAGCCTATCCCTCTACCTGTACATAATCCACAAGCAAGCACCTCCACTG
 GAAGACATTGCAGATGACTGCAGTCCAGGGATGAGAGAGCTGATAGAAGCTTCCCTGGAGAGAAACCCCA
 ATCACCGCCCAAGAGCCGAGACCTACTAAAACATGAGGCCCTGAACCCGCCAGAGAGGATCAGCCACG
 CTGTGAGAGTCTGGACTCTGCCCTCTGGAGCGCAAGAGGCTGCTGAGTAGGAAGGAGCTGGAACCTCCT
 GAGAACATTGCTGATTCTTCGTGCACAGGAAGCACCGAGGAATCTGAGATGCTCAAGAGGCAACGCTCTC
 TCTACATCGACCTCGGCCTCTGGCTGGCTACTCAATCTTGTTCCGGGACCACCAACGCTTGAATATGG
 C

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211171 representing NM_005204
 Red=Cloning site Green=Tags(s)

MEYMSTGSDNKEEIDLLIKHLNVSDVIDIMENLYASEEPVYEPSLMTMCQDSNQNDERSKSLLLSGQEV
 PWLSSVRYGTVEDLLAFANHISNTAKHFYQRPQESGILLNMVITPQNGRYQIDSDVLLIPWKLTYRNIG
 SDFIPRGAFGKVYLAQDIKTKRMACKLIPVDQFKPSDVEIQACFRHENIAELYGAVLWGETVHLFMEAG
 EGGSVLEKLESCGPMREFEIIWVTKHVLKGLDFLHSHKVIHHDIKPSNIVFMSTKAVLVDFGLSVQMTED
 VYFPKDLRGTEIYMSPEVILCRGHSTKADIYSLGATLIHMQTGTPPWVKRYPRSAVPSYLYIIHKQAPPL
 EDIADDCSPGMRELIEASLERNPNHRPRAADLLKHEALNPPREDQPRCQSLDSALLERKRLLSRKELELP
 ENIADSSCTGSTEESEMLKRQRSLYIDL GALAGYFNLVVRGPPTLEYG

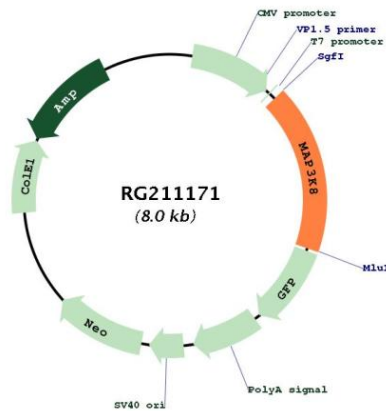
TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

RefSeq:	NM_005204.4
RefSeq Size:	3096 bp
RefSeq ORF:	1404 bp
Locus ID:	1326
UniProt ID:	P41279
Cytogenetics:	10p11.23
Domains:	pkinase, TyrKc, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway, T cell receptor signaling pathway, Toll-like receptor signaling pathway
Gene Summary:	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 I kappaB kinases, and thus induce the nuclear production of NF-kappaB. This protein was also found to promote the production of TNF-alpha 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]

Product images:



Circular map for RG211171