

Product datasheet for **SC332065**

MAP3K8 (NM_001244134) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAP3K8 (NM_001244134) Human Untagged Clone
Tag: Tag Free
Symbol: MAP3K8
Synonyms: AURA2; c-COT; COT; EST; ESTF; MEKK8; Tpl-2; TPL2
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332065 representing NM_001244134.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAGTACATGAGCACTGGAAGTGACAATAAAGAAGAGATTGATTTATTAATTAACATTTAAATGTG
TCTGATGTAATAGACATTATGAAAACTCTTTATGCAAGTGAAGAGCCAGCAGTTTATGAACCCAGTCTA
ATGACCATGTGTCAAGACAGTAATCAAAACGATGAGCGTTCTAAGTCTCTGCTGCTTAGTGGCCAAGAG
GTACCATGGTTGTCATCAGTCAGATATGGAAGTGTGGAGGATTTGCTTGTCTTTGCAAACCATATATCC
AACACTGCAAAGCATTTTTATGGACAACGACCACAGGAATCTGGAATTTTATTAACATGGTCATCACT
CCCCAAAATGGAGTTACCAAATAGATTCCGATGTTCTCCTGATCCCCTGGAAGCTGACTTACAGGAAT
ATTGGTTCTGATTTTATCCTCGGGCGCCTTTGGAAAGGTATACTTGGACAAGATATAAAGACGAAG
AAAAGAATGGCGTGTAAGTATGCCAGTATCAATTAAGCCATCTGATGTGGAAATCCAGGCTTGC
TTCCGGCACGAGAACATCGCAGAGCTGTATGGCGCAGTCTGTGGGGTAAAAGTGTCCATCTCTTTATG
GAAGCAGGCGAGGGGAGGGTCTGTCTGGAGAACTGGAGAGCTGTGGACCAATGAGAGAATTTGAAATT
ATTTGGGTGACAAAGCATGTTCTCAAGGACTTGATTTTCTACACTCAAAGAAAGTATCCATCATGAT
ATTAACCTAGCAACATGTTTTTCATGTCCACAAAAGCTGTTTTGGTGGATTTTGGCCTAAGTGTCAA
ATGACCGAAGATGTCTATTTTCCTAAGGACCTCCGAGGAACAGAGATTTACATGAGCCCAGAGGTCATC
CTGTGCAGGGGCCATTCAACCAAAGCAGACATCTACGCCTGGGGCCACGCTCATCCACATGCAGACG
GGCACCCACCCTGGGTGAAGCGCTACCCTCGCTCAGCCTATCCCTCCTACCTGTACATAATCCACAAG
CAAGCACCTCCACTGGAAGACATTGCAGATGACTGCAGTCCAGGGATGAGAGAGCTGATAGAAGCTTCC
CTGGAGAGAAACCCCAATCACCGCCAAGAGCCGAGACCTACTAAAACATGAGGCCCTGAACCCGCC
AGAGAGGATCAGCCACGCTGTCAGAGTCTGGACTCTGCCCTTTGGAGCGCAAGAGGCTGCTGAGTAGG
AAGGAGCTGGAACCTCCTGAGAATTGCTGATTCTTCGTGCACAGGAAGCACCGAGGAATCTGAGATG
CTCAAGAGGCAACGCTCTCTACATCGACCTCGGCGCTCTGGCTGGCTACTTCAATCTTGTTCGGGA
CCACCAACGCTTGAATATGGCTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001244134
Insert Size: 1404 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_001244134.1
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
MW:	52.9 kDa
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> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Variants 1-3 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>