

Product datasheet for **SC128278**

MAP3K6 (NM_004672) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K6 (NM_004672) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP3K6
Synonyms:	ASK2; MAPKKK6; MEKK6
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004672, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGGCCGTGTCCCGGTCCGGGGCGGAGCGCGCCGGCAGCTGCTGGCAGGACCCGCTGGCCGTGG
CGCTGAGCCGGGGCCGGCAGCTCGCGGCCCGCCGGGGCTGCGCGCGGAGCCGGCCGCTCAGCGT
GGTCTACGTGCTGACCCGGGAGCCGAGCCCGGGCTCGAGCCTCGGGAGGGAACCGAGCCGAGCCGCTG
CCCCTGCGCTGCCTGCGGAGGCTTGGCGCAGGTCGCCCGCGCGCCCGCCCGCAGCTGCGCAGCC
TGCCCTTCGGGACGCTGGAGCTAGGCGACACCGCGGCTCTGGATGCCTTCTACAACGCGGATGTGGTGGT
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ATGACCAACAATGTGCTCCTCTGCTCCCAGGCCGACCTCCCTGACCTGCAGGCCCTGCGGGAGGATGTTT
TCCAGAAGAACTCGGATTGCGTTGGCAGCTACACACTGATCCCCTATGTGGTGACGGCCACTGGTCGGGT
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ATTTCCGGGAGACCATTGCGCGGGACATCCGGCAGGCGCGGGAGCGGTTCACTGGGCCACAGCTGCGGCA
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CCACCTGTGATGTGGCCGAGCAGCATAATGTCTGCTTCCACTACACTTTTGCCCTCAACCGGAGGAACAG
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CATTCAAGACAGCCTGTGCCAGGGCGACCAGTGTGGTGTGCTGGATGAACAAGGTGCTGCT
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GCCTGCAAAGCTCGAGGTTCTGGGGTACTGACCCAGTAAGCACAGTGACCCTGAGCCTGCTGGAGCCTGAG
 ACCCAGGACATTCCTCCAGCTGGACCTTCCCAGTCGCCTCCATATGCGGAGTCAGCGCCTCAAAGCGCG
 ACGAGCGCTGCTGCTTCTCTATGCACTCCCCCGGCTCAGGACGTCCAGCTGTGCTTCCCAGCGTAGG
 GCACTGCCAGTGGTTCTGCGGCTGATCCAGGCTGGGTGACGAACCCGGATTCCACGGCGCCCGGGAG
 GAGGCGGAGGGCGCGGGGAGATGTTGGAGTTGATTATGAGTACACGGAGACGGCGAGCGGCTGGTGC
 TGGGAAGGGCACGTATGGGTGGTGTACGCGGGCCGATCGCCACACGAGGGTGCGCATCGCCATCAA
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 TCCACACTGGATGTTCTGACTACTGCTCAGCCGTGCTGTGCGGGCAGCCCTGGGTGTGCTAGGA
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 CTCTTTCAACGGACCAGGGCCTGGTGCAGTGGCTACAGGAACCTGAATGTGGATTACAGCACCATCCAAAT
 GCTGTTGAACCATAGCTTCAACCTCCACACTCTGCTCACCTATGCCACTCGAGATGACCTCATCTACACC
 CGCATCAGGGGAGGGATGGTATGCCGATCTGGAGGGCCATCTTGGCACAGCGAGGATCCACACCAG
 TCACCTCTGGACCCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004672 unedited
 ACCGCCGTTGAGCAAATGGGCGGTAGGCGGTACGGTGGGAGGTCTATATAAGCAGAGCT
 CATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGACGCGCCGCGAATTCG
 GCACGAGGATGGCGGGGCGGTGTCCCGGTCCGGGGCGGAGCGCCCGCAGCTGCTGGC
 AGGACCCGCTGGCCGTGGCGCTGAGCCGGGGCCGGCAGCTCGCGCGCCCGGGCCGGG
 GCTGCGCGCGGAGCCGGCCGCTCAGCGTGGTCTACGTGCTGACCCGGGAGCCGACGCCG
 GGCTCGAGCCTCGGGAGGGAACCGAGGCGGAGCCGCTGCCCTGCGCTGCCTGCGCGAGG
 CTTGCGCGCAGGTCGCCCGCGCGGCCGCCCCCGCAGCTGCGCAGCCTGCCCTTCGGGA
 CGCTGGAGCTAGGCGACACCGCGCTCTGGATGCCTTCTACAACGCGGATGTGGTGGTGC
 TGGAGGTGAGCAGCTCGCTGGTACAGCCCTCCCTGTTCTACCACCTTGGTGTGCGTGAGA
 GCTTCAGCATGACCAACAATGTGCTCCTCTGCTCCCAGGCGGACCTCCCTGACCTGCAGG
 CCTGCGGGAGGATGTTTTCCAGAAGAATCGGATTGCGTTGGCAGCTACACACTGATCC
 CCTATGTGGTGCAGGCCACTGGTGGGTGCTGTGTGGTGTGATGCAGGCCTTCTGCGGGGCC
 TGGCTGATGGGCTGGTACAGGCTGGAGTGGGGACCGAGGCCCTGCTCACTCCCCTGGTGG
 GCCGGCTTGGCCGCTGCTGAGCCACCACCCACAGACTCTTGTGGCTATTTTCCGGAGAC
 CATTGCGGGGACATCCGAGCGCGGAGCGTCAGTGCCACAGCTGCGCAGAGCTGCTCGC
 TGCACGAAACTGACAGCGGGGAGCTGCTGACCCCGACT

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004672 unedited TCCGAGATGCATCTCGGGCTGCACTTCGGGCCGGAGGCACTGGGGAGGGTACACAGGGAT GCCACCCGGGATCTGTTCCAGAAACAGCTATGACCGCGGCCGAATCTAGAGTCGAGTTT TTTTTTTTTTTTTTTCAAAGTGTCTGTTTAATACGCTTTGTCTGGTAGTGCTTGGGTG CCTGTGGTTGGTTTCTCTCACTGGAACCACTGGGCCCCACTCGCCTGGCTTCCCTCCA GTGCCCCAGGTCTGGGGCTGGTGTGTGAGAAGCTGCCTTTGCCTCTCCATTCATCCA TCCTTGGCCTGTCTGGCCTATGATGCCCTCATTAGCTCTCAGGGTCCAGAGGTGACTG GTGTGGATCCTGCTCGCTGTGCCAAGATGGCCCTCCAGATGCGGCATACCATCCCTCCC TGATGCGGGTGTAGATGAGGTACTCTCGAGTGGCATAGGTGAGCAGAGTGTGGAGGGTGA AGCTATGGTTCAACAGCATTGGATGGTGCCTGAATCCACATTAGTTTCTGTAGCCACT GCACCAGGCCCTGGTCCGTTGAAAGAGCAGTTGGAGGCTCTGGGGCCAGGACATAGGTCC GGGCTTCTCATTAGCCGCTGTAGAGCCGCTGCACCAGGGCCTGGTACTCCCGTTCT TCCCCGCCAGGATTCGCGCAGCCGATCAGTCTCTGCCCTCAAGAGGCTCAGCTGCACCA TCAGAGGAGCGGGGCCCTGCTCGGGCTCCACCGAAGCGGGCTCTGCTGGCCTGGGCTCT GCTGGGAGTCCCTTACTACTCAGCTCTCTGACCTCGGTGAGACCCTCTCTCACTCGTC TAGCACACCCAGGCTGCCCGCACAAAGCAGCTGAGCAGTGAGTCAAGAACGAAACATCCA GTGGTGGACGGATTCTGGCGCCTTGCGGAAGGAA
Restriction Sites:	Please inquire
ACCN:	NM_004672
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
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_004672.3 , NP_004663.3
RefSeq Size:	4333 bp
RefSeq ORF:	3867 bp

Locus ID:	9064
UniProt ID:	<u>O95382</u>
Cytogenetics:	1p36.11
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway
Gene Summary:	<p>This gene encodes a serine/threonine protein kinase that forms a component of protein kinase-mediated signal transduction cascades. The encoded kinase participates in the regulation of vascular endothelial growth factor (VEGF) expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>