

Product datasheet for **SC311410**

MAP4K1 (NM_001042600) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP4K1 (NM_001042600) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAP4K1
Synonyms:	HPK1
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001042600, the custom clone sequence may differ by one or more nucleotides

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ATGGACGTCGTGGACCCTGACATTTTCAATAGAGACCCCCGGGACCACTATGACCTGCTA
CAGCGGCTGGGTGGCGGCACGTATGGGGAAGTCTTTAAGGCTCGAGACAAGGTGTGAGGG
GACCTGGTGGCACTGAAGATGGTGAAGATGGAGCCTGATGATGATGTCTCCACCCCTCAG
AAGGAAATCCTCATATTGAAAACCTGCCGGCACGCCAACATCGTGGCCTACCATGGGAGT
TATCTCTGGTTGCAGAACTCTGGATCTGCATGGAATTCTGTGGGGCTGGTTCTCTCCAG
GACATCTACCAAGTGACAGGCTCCCTGTGAGAGCTCCAGATTAGCTATGTCTGCCGGGAA
GTGCTCCAGGACTGGCCTATTTGCACTCACAGAAGAAGATACACAGGGACATCAAGGGA
GCTAACATCCTCATCAATGATGCTGGGGAGGTCAGATTGGCTGACTTTGGCATCTCGCC
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CCGGAAGTGGCAGCTGTGGCCCTGAAGGGAGGATACAATGAGCTGTGTGACATCTGGTCC
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AAACGACCAGCCGCCACCAAGATGCTCAGTCATCAAAGTACTCTGACTAAGAGTCCCAAG
CGAGGCCCTGATCCTGGATCTTCTTGACAACTGAAGAATCCCGGGAAAGGACCCTCCATT
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ACCCACCCTCCAGCTCTCTGGGGATCCCAGATGCAGACTGCTGTGCGGGGCACATGGAG
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CCTCGAGACCTCAGGAGCAGCAGCCCCAGGAAGCAACTGTCAGAGTGTCTGACGATGAC
TATGACGACGTGGACATCCCCACCCCTGCAGAGGACACACCTCTCCACTTCCCCCAAG
CCCAAGTCCGTTCTCCATCAGACGAGGGTCTCTGGGAGCATGGGGGATGATGGGCAGTG
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ACGGCCGCTGGACACATCCCTCCACCAAGGACCAGCACCTGCTCCTGGGGCAGAGGAA
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CGGACTACGTGGGTGACTCCATCAACAACGTTTCTCATGTCTCTCAGGAAAGACCCCC
CACCTGTATTCTCATAGCATCCTTGGCCTGCTGGAACGGAAGAGACCAGAGCAGGAAAC
CCCATCGCTCACATTAGCCCCACCGCCTACTGGCAAGGAAGAATGTTTCCACCAAG
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AACAAATCCTGCTTGTCCGGCAGGTGCTGTTCCCACTGCCGACGCCTGTGCTCGTGTTC
GCGCTGTGACCGGGCCAGGCTCTGAGCTGCCCGCTGTGTGCATCGGCGTGAGCCCCGGG
CGGCCGGGAAGTCGGTGTCTTCCACACGGTGCCTTTGGCGCGCTCTCTTGTGGTGTG
GGCAGATGAGCACCGAGCACAGGGGACCCGTGCAGGTGACCCAGGTAGAGGAAGATATG
GTGATGGTGTGATGGATGGCTCTGTGAAGCTGGTACCCCGGAGGGGTCCTCCAGTCCGG
GGACTTCGCACACCTGAGATCCCCATGACCGAAGCGGTGGAGCCGTGGCTATGGTTGGA
GGTCAGCTTACGGCTTCTGGAAGCATGGAGTGCAGGTGTGGGCTCTAGGCTCGGATCAG
CTGCTACAGGAGCTGAGAGACCCTACCCTCACTTTCCGCTGCTTGGCTCCCCAGGCCT
GTAGTGGTGGAGACGCCAGTGGATGATCCTACTGCTCCAGCAACCTCTACATCCAG
GAATGA

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Restriction Sites: Please inquire
ACCN: NM_001042600

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001042600.1</u> , <u>NP_001036065.1</u>
RefSeq Size:	2688 bp
RefSeq ORF:	2466 bp
Locus ID:	11184
UniProt ID:	<u>Q92918</u>
Cytogenetics:	19q13.2
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway
Gene Summary:	<p>Serine/threonine-protein kinase, which may play a role in the response to environmental stress. Appears to act upstream of the JUN N-terminal pathway. May play a role in hematopoietic lineage decisions and growth regulation. Able to autophosphorylate. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 2. The encoded isoform (1) has a shorter and distinct C-terminus, compared to isoform 2.</p>