OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC331828

MAP4K4 (NM_001242560) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: MAP4K4 (NM_001242560) Human Untagged Clone

Tag: Tag Free

Symbol: MAP4K4

Synonyms: FLH21957; HEL-S-31; HGK; MEKKK4; NIK

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331828 representing NM_001242560.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGCGAACGACTCCCCTGCAAAAAGTCTGGTGGACATCGACCTCTCCTCCCTGCGGGATCCTGCTGGG
ATTTTTGAGCTGGTGGAAGTGGTTGGAAATGGCACCTATGGACAAGTCTATAAGGGTCGACATGTTAAA
ACGGGTCAGTTGGCAGCCATCAAAGTTATGGATGTCACTGAGGATGAAGAGGAAGAAATCAAACTGGAG
ATAAATATGCTAAAGAAATACTCTCATCACAGAAACATTGCAACATATTATGGTGCTTTCATCAAAAAG
AGCCCTCCAGGACATGATGACCAACTCTGGCTTGTTATGGAGTTCTGTGGGGCTGGGTCCATTACAGAC
CTTGTGAAGAACACCAAAGGGAACACACTCAAAGAAGACTGGATCGCTTACATCTCCAGAGAAATCCTG
AGGGGACTGGCACATCTTCACATTCATCATGTGATTCACCGGGATATCAAGGGCCAGAATGTGTTGCTG
ACTGAGAATGCAGAGGTGAAACTTGTTGACTTTGGTGTGAGTGCTCAGCTGGACAGGACTGTGGGGCGG
AGAAATACGTTCATAGGCACTCCCTACTGGATGGCTCCTGAGGTCATCGCCTGTGATGAGAACCCAGAT
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CCCCCTCTCTGTGACATGCATCCAATGAGAGCACTGTTTCTCATTCCCAGAAACCCTCCTCCCCGGCTG
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CGGCCCTCTACAGAGCAGCTTTTGAAACATCCTTTTATAAGGGATCAGCCAAATGAAAGGCAAGTTAGA
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AGAGAGCGGGAAGCTAGAAGGCAGCAGGAACGTGAACAGCGAAGGAGAGAACAAGAAGAAAAGAGGCGT
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CAGCCGCCACCACCGCAGCAGGAAAGGAGCAAGCCAAGCTTCCATGCTCCCGAGCCCAAAGCCCACTAC
GAGCCTGCTGACCGAGCGCGAGAGGTACAGTGGTCCCACCTGGCATCTCTCAAGAACAATGTTTCCCCT
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ACCCAAAAGGCTTGGTCTAGATCAGACAGTGACGAGGTGCCTCCAAGGGTTCCTGTGAGAACAACATCT
CGCTCCCCTGTTCTGTCCCGTCGAGATTCCCCACTGCAGGGCAGTGGGCAGCAGAATAGCCAGGCAGGA

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CAGAGAAACTCCACCAGCAGTATTGAGCCCAGGCTTCTGTGGGAGAGAGTGGAGAAGCTGGTGCCCAGA
CCTGGCAGTGGCAGCTCCTCAGGGTCCAGCAACTCAGGATCCCAGCCCGGGTCTCACCCTGGGTCTCAG
AGTGGCTCCGGGGAACGCTTCAGAGTGAGATCATCATCCAAGTCTGAAGGCTCTCCATCTCAGCGCCTG
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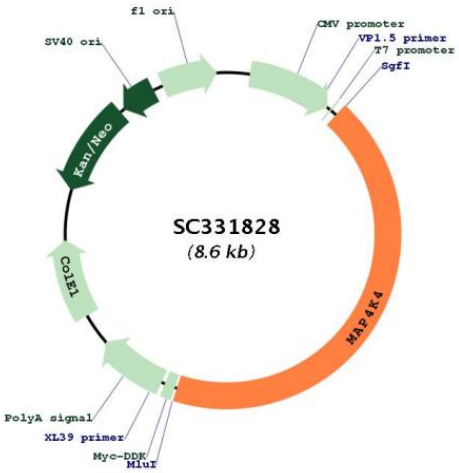
GAGAAGGCCATAGAGATCCGATCTGTGGAAACTGGTCACTTGGATGGTGTGTTCATGCACAAAAGGGCT
CAAAGACTAAAATTCTTGTGTGAACGCAATGACAAGGTGTTCTTTGCCTCTGTTCGGTCTGGTGGCAGC
AGTCAGGTTTATTTCATGACCTTAGGCAGGACTTCTCTTCTGAGCTGGTAG

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001242560

Insert Size: 3708 bp

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:	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_001242560.1
RefSeq Size:	7544 bp
RefSeq ORF:	3708 bp
Locus ID:	9448
Cytogenetics:	2q11.2
Protein Families:	Druggable Genome, Protein Kinase
Protein Pathways:	MAPK signaling pathway
MW:	141.1 kDa
Gene Summary:	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase has been shown to specifically activate MAPK8/JNK. The activation of MAPK8 by this kinase is found to be inhibited by the dominant-negative mutants of MAP3K7/TAK1, MAP2K4/MKK4, and MAP2K7/MKK7, which suggests that this kinase may function through the MAP3K7-MAP2K4-MAP2K7 kinase cascade, and mediate the TNF-alpha signaling pathway. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (5) lacks two alternate in-frame exons but includes two different alternate in-frame exons in the central coding region, compared to variant 2. The encoded isoform (5) is shorter than isoform 2. 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.