

Product datasheet for **SC331786**

MAP3K13 (NM_001242317) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | MAP3K13 (NM_001242317) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | MAP3K13 |
| Synonyms: | LZK; MEKK13; MLK |
| Vector: | pCMV6-Entry (PS100001) |



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Fully Sequenced ORF: >SC331786 representing NM_001242317.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTATTGTGGCATTCAAATCCTAGCACTCTGGGAGAGGGGTGTTTGTACTCAGGCCCATGTTATTGT
ATTATCATGGAATACTGTGCCCATGGACAACCTACGAGGTCTTACGAGCTGGCAGGAAGATCACACCT
CGATTGCTAGTAGACTGGTCCACAGGAATTGCAAGTGAATGAATATTTGCACCTCCATAAAATTATT
CATCGTGATCTCAAATCACCTAATGTTTTAGTGACCCACACAGATGCGGTAAAAATTTAGATTTTGGT
ACATCTAAGGAACTCAGTGACAAAAGTACCAAGATGTCATTTGCTGGCAGGTCGCATGGATGGCGCCA
GAGGTGATACGGAATGAACCTGTCTCTGAAAAAGTTGATATATGGTCTTTTGGAGTGGTGTCTTGGGAG
CTGCTGACAGGAGAGATCCCTTACAAGATGTAGATTCTTACGCCATTATCTGGGGTGTGGAAAGCAAC
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CCTCCTGCCATGTCCCAGAGTACCATCCCAGACTCAATATGCACGGACAGGACATAGCAACCTGCGCC
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CTGCCCGCTCGAGCCCTGACCTCATCTCCACAGCCATGGCTGCAGACTGCTGGAGAAGTTCTGAGCCT
GACAAGGGCCAAGCTGGTCCCTGGGGCTGTTGCCAGGCTGACGCTTATGACCCCTGCCTTCAAGTGCAGG
CCAGAACAGTATGGGTCCTTAGACATACCCTCTGCTGAGCCAGTGGGAGGAGCCCTGACCTTTCCAAG
TCACCAGCACATAATCCTCTCTTGAAAACGCCAGAGTTCTGAGAAAACGGAAGAAAATGAATTGAGC
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GACATATCCTCACACTCGGATGGGCTCTCTGACAAGGAGTGTGCCGTGCGCCGTGTGAAGACTCAGATG
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GACTCTTCAGATGGGGAGTGTCTGATGCCACAGTTAGGACCAATAAACACTACAGCTCTGCTACCTGG
TAA
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001242317

Insert Size: 2280 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).

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| 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_001242317.1 |
| RefSeq Size: | 9094 bp |
| RefSeq ORF: | 2280 bp |
| Locus ID: | 9175 |
| UniProt ID: | O43283 |
| Cytogenetics: | 3q27.2 |
| Protein Families: | Druggable Genome, Protein Kinase, Transcription Factors |
| Protein Pathways: | MAPK signaling pathway |
| MW: | 85.4 kDa |
| Gene Summary: | <p>The protein encoded by this gene is a member of serine/threonine protein kinase family. This kinase contains a dual leucine-zipper motif, and has been shown to form dimers/oligomers through its leucine-zipper motif. This kinase can phosphorylate and activate MAPK8/JNK, MAP2K7/MKK7, which suggests a role in the JNK signaling pathway. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1. 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> |