

Product datasheet for **RC234846**

MAP3K13 (NM_001242317) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K13 (NM_001242317) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAP3K13
Synonyms:	LZK; MEKK13; MLK
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234846 representing NM_001242317
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATTGTGGCATTCAAATCCTAGCACTCTGGGAGAGGGGTGTTTGTACTCAGGCCCATGTTATTGTA
 TTATCATGGAATACTGTGCCATGGACAACCTACGAGGTCTTACGAGCTGGCAGGAAGATCACACCTCG
 ATTGCTAGTAGACTGGTCCACAGGAATTGCAAGTGAATGAATTTTGCACCTCCATAAAAATTATTCAT
 CGTGATCTCAAATCACCTAATGTTTTAGTGACCCACACAGATGCGGTAAAAATTTAGATTTTGGTACAT
 CTAAGGAACCTCAGTGACAAAAGTACCAAGATGTCAATTTGCTGGCAGGTGCGATGGATGGCGCCAGAGGT
 GATACGGAATGAACCTGTCTCTGAAAAAGTTGATATATGGTCTTTTGGAGTGGTCTTTGGGAGCTGCTG
 ACAGGAGAGATCCCTTACAAAGATGTAGATTCTCAGCCATTATCTGGGTGTTGGAAGCAACAGCCTCC
 ACCTTCCAGTTCCCTTCCACTTGCCCTGATGGATCAAAAATCCTTATGAAACAGACGTGGCAGAGTAAACC
 TCGAAACCGACCTTCTTTTCGGCAGACACTCATGCATTTAGACATTGCCTCTGCAGATGTACTTGCACCC
 CCAACAAGAACTTACTTCAAGTCTCAGGCTGAATGGAGAGAAGAAGTGAAAAAACATTTTGAAGAATCA
 AAAGTGAAGGAACCTGTATACACCGTTAGATGAAGAAGTTCGAAGGCGCAGAGAAGAGCTCAGGCA
 TGCGCTGGATATTCGTGAACACTATGAGCGGAAGCTTGAAGCGTGAGCAAGCAGTGGAAAAGAAGT
 GCCATCATGCTGCAGCTAGAAAATGCGGGAGAAGGAGCTCATTAAAGCGTGAGCAAGCAGTGGAAAAGAAGT
 ATCCTGGGACCTACAAACGACACCCTGTTCGTCTATCATCCATCCCAATGCCATGGAGAAAACCTCATGAA
 AAGGAAAGGAGTGCCTCACAAATCTGGGATGCAGACCAACCGCCAGACTTGTGAGATCAGAAGGGATC
 CCCACCACAGAAGTGGCTCCCACTGCATCCCTTTGTCCGGAAGTCCCAAAATGTCCACTTCTAGCAGCA
 AGAGCCGATATCGAAGCAAACCCAGCCACCGCCGAGGGAATAGCAGAGGCAGCCATAGTACTTTGCCCGC
 AATCTTGAAAAACCAGCCAGCCAGGAAAATTCACCCATCCCACTTACCTGCACCAAGCTCAATCCCAA
 TACCCTTCTCTTATCACCATAATTCTCTGCAGCAGCAATACCAGCAGCCCCCTCCTGCCATGTCCAGA
 GTCACCATCCCAGACTCAATATGCACGGACAGGACATAGCAACCTGCGCCAAACACTGAGGTATTTTCGG
 CCCAGCAGCAGCCCTGCGGAGCCCACTCAGCAACCATGCTCAGAGACAGCTGCCCGGCTCGAGCCCTGAC
 CTCATCTCCACAGCCATGGCTGCAGACTGCTGGAGAAGTTCTGAGCCTGACAAGGGCCAAGCTGGTCCCT
 GGGGCTGTTGCCAGGCTGACGCTTATGACCCCTGCCTTCAAGTGCAGGCCAGAACAGTATGGGTCCTTAGA
 CATACCCTCTGCTGAGCCAGTGGGAGGAGCCCTGACCTTCCAAGTACCAGCACATAATCCTCTCTTG
 GAAAACGCCCAGAGTTCTGAGAAAACGGAAGAAAATGAATTCAGCGGCTGTAGGTCTGAGTCATCCCTCG
 GCACCTCTCATCTCGGCACCCCTCCAGCGCTACCTCGAAAAACAAGGCCTCTGCAGAAGAGTGGAGATGA
 CTCTCAGAAAGAGGAAGAAGGGGAAGTAGATAGTGAAGTTGAATTTCCACGAAGACAGAGGCCCATCGC
 TGTATCAGCAGCTGCCAGTCATATTCAACCTTTAGCTCTGAGAATTTCTCTGTGTCTGATGGAGAAGAGG
 GAAATACCAGTGACCACTCAAACAGTCTGATGAGTTAGCTGATAAACTTGAAGACCGCTTGGCAGAGAA
 GCTAGACGACCTGCTGTCCAGACGCCAGAGATTTCCATTGACATATCCTCACACTCGGATGGGCTCTCT
 GACAAGGAGTGTGCCGTGCGCCGTGGAAGACTCAGATGTCTCTGGGCAAGCTGTGTGTGGAGGAACGTG
 GCTATGAGAACCCATGCAGTTTGAAGAATCGGACTGTGACTCTTCAGATGGGGAGTGTCTGATGCCAC
 AGTTAGGACCAATAAACACTACAGCTCTGCTACCTGG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

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_001242317.2](#)

RefSeq Size: 9094 bp

RefSeq ORF: 2280 bp

Locus ID: 9175

UniProt ID: [O43283](#)

Cytogenetics: 3q27.2

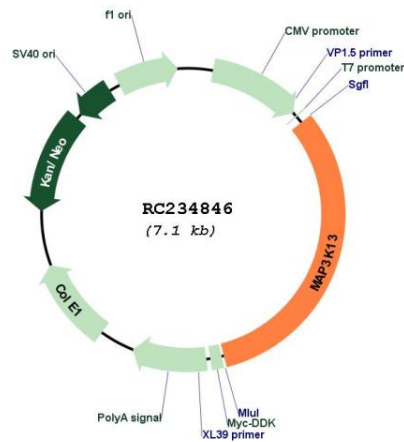
Protein Families: Druggable Genome, Protein Kinase, Transcription Factors

Protein Pathways: MAPK signaling pathway

MW: 85.9 kDa

Gene Summary: 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]

Product images:



Circular map for RC234846