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 SC211772

MEK3 (MAP2K3) (NM_002756) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: MEK3 (MAP2K3) (NM_002756) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: MAP2K3

Synonyms: MAPKK3; MEK3; MKK3; PRKMK3; SAPKK-2; SAPKK2

ACCN: NM_002756

Insert Size: 1040 bp

Insert Sequence:

>SC211772 3'UTR clone of NM_002756
The sequence shown below is from the reference sequence of NM_002756. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGAAGGAGATCCTGGGAGAAGACTCATAGGGGCTGGGCCTCGGACCCCACTCCGGCCCTCCAGAGCCC
CACAGCCCCATCTGCGGGGGCAGTGCTCACCCACACCATAAGCTACTGCCATCCTGGCCCAGGGCATCT
GGGAGGAACCGAGGGGGCTGCTCCCACCTGGCTCTGTGGCGAGCCATTTGTCCCAAGTGCCAAAGAAGC
AGACCATTGGGGCTCCCAGCCAGGCCCTTGTCGGCCCCACCAGTGCCTCTCCCTGCTGCTCCTAGGACC
CGTCTCCAGCTGCTGAGATCCTGGACTGAGGGGGCCTGGATGCCCCCTGTGGATGCTGCTGCCCCTGCA
CAGCAGGCTGCCAGTGCCTGGGTGGATGGGCCACCGCCTTGCCCAGCCTGGATGCCATCCAAGTTGTAT
ATTTTTTTAATCTCTCGACTGAATGGACTTTGCACACTTTGGCCCAGGGTGGCCACACCTCTATCCCGG
CTTTGGTGCGGGGTACACAAGAGGGGATGAGTTGTGTGAATACCCCAAGACTCCCATGAGGGAGATGCC
ATGAGCCGCCCAAGGCCTTCCCCTGGCACTGGCAAACAGGGCCTCTGCGGAGCACACTGGCTCACCCAG
TCCTGCCCGCCACCGTTATCGGTGTCATTCACCTTTCGTGTTTTTTTTAATTTATCCTCTGTTGATTTT
TTCTTTTGCTTTATGGGTTTGGCTTGTTTTTCTTGCATGGTTTGGAGCTGATCGCTTCTCCCCCACCCC
CTAGGGTACCAGCAGGCAGAGCCTTGCCCTCTGCTCAGGCTGGGGTCCAGTGGGAGGGGCCCAAGATCT
CTGCTCAGAGAAGTGCAGGGGGAGCCTTCCAGCTCACTCTCCCTGAGGACTGGCTTGACAGGGGCTATG
GGTTTGCTTTGGTGTTGTTTTTAAAAAAAGAAAATATATTTTTTTGAAAAAACGACTGCCCATCCCGGG
TCCTTTCCCTGATGGGTTGGGGCAGTTACCTGGTTGCTGTTTTAATTAAAAAAAAAAAAAAAAAAGGA
CTAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

View online »

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_002756.4

Summary: The protein encoded by this gene is a dual specificity protein kinase that belongs to the MAP kinase kinase family. This kinase is activated by mitogenic and environmental stress, and participates in the MAP kinase-mediated signaling cascade. It phosphorylates and thus activates MAPK14/p38-MAPK. This kinase can be activated by insulin, and is necessary for the expression of glucose transporter. Expression of RAS oncogene is found to result in the accumulation of the active form of this kinase, which thus leads to the constitutive activation of MAPK14, and confers oncogenic transformation of primary cells. The inhibition of this kinase is involved in the pathogenesis of Yersina pseudotuberculosis. Multiple alternatively spliced transcript variants that encode distinct isoforms have been reported for this gene. [provided by RefSeq, Jul 2008]

Locus ID: 5606

MW: 37.7