

## 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
Symbol:	MEK3
Synonyms:	MAPKK3; MEK3; MKK3; PRKMK3; SAPKK-2; SAPKK2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002756
Insert Size:	1040 bp
Insert Sequence:	<p>&gt;SC211772 3'UTR clone of NM_002756</p> <p>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.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
GTGAAGGAGATCCTGGGAGAAGACTCAAGGGGCTGGGCCTCGGACCCCACTCCGGCCCTCCAGAGCCC
CACAGCCCCATCTGCGGGGGCAGTGCTCACCACACCATAAGCTACTGCCATCCTGGCCAGGGCATCT
GGGAGGAACCGAGGGGGCTGCTCCACCTGGCTCTGTGGCGAGCCATTTGTCCAAAGTGCCAAAGAAGC
AGACCATTTGGGGCTCCCAGCCAGGCCCTTGTGCGCCCCACCAAGTGCCTCTCCCTGCTGCTCCTAGGACC
CGTCTCCAGCTGCTGAGATCCTGGACTGAGGGGGCCTGGATGCCCCCTGTGGATGCTGCTGCCCCCTGCA
CAGCAGGCTGCCAGTGCCTGGGTGGATGGGCCACCGCCTTGCCCAAGCCTGGATGCCATCCAAGTTGTAT
ATTTTTTAATCTCTCGACTGAATGGACTTTGCACACTTTGGCCAGGGTGGCCACACCTCTATCCCGG
CTTTGGTGCGGGGTACACAAGAGGGGATGAGTTGTGTGAATACCCCAAGACTCCCATGAGGGAGATGCC
ATGAGCCGCCCAAGGCCTTCCCTGGCACTGGCAAACAGGGCCTCTGCGGAGCACACTGGCTCACCAG
TCCTGCCCCGCCACCGTTATCGGTGTCATTACCTTTCTGTGTTTTTTTAAATTTATCCTCTGTTGATTTT
TTCTTTTGCTTTATGGGTTTGGCTTGTGTTTCTGTCATGGTTTGGAGCTGATCGCTTCTCCCCACCCC
CTAGGGTACCAGCAGGCAGAGCCTTGCCCTCTGCTCAGGCTGGGGTCCAGTGGGAGGGGCCAAGATCT
CTGCTCAGAGAAGTGCAGGGGGAGCCTTCAGCTCACTCTCCCTGAGGACTGGCTTGACAGGGGCTATG
GGTTTGCTTTGGTGTGTTTTTAAAAAAGAAAAATATATTTTTTTGAAAAACGACTGCCCATCCCGGG
TCCTTTCCCTGATGGGTTGGGCAGTTACCTGGTGTGTTTTTAATTAATAAAAAAAAAAAAAAAAAAGGA
CTAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI



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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:	<a href="#">NM_002756.4</a>
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