

## Product datasheet for **SC211773**

### MEK3 (MAP2K3) (NM\_145109) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MEK3 (MAP2K3) (NM\_145109) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MAP2K3  
**Synonyms:** MAPKK3; MEK3; MKK3; PRKMK3; SAPKK-2; SAPKK2  
**ACCN:** NM\_145109  
**Insert Size:** 1032 bp  
**Insert Sequence:** >SC211773 3'UTR clone of NM\_145109  
 The sequence shown below is from the reference sequence of NM\_145109. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGAAGGAGATCCTGGGAGAAGACTCATAGGGGCTGGGCCTCGGACCCACTCCGGCCCTCCAGAGCCC
CACAGCCCATCTGCGGGGCGAGTGTCTACCCACACCATAAGCTACTGCCATCCTGGCCCAGGGCATCT
GGGAGGAACCGAGGGGGCTGCTCCACCTGGCTCTGTGGCGAGCCATTTGTCCAAAGTGCCAAAGAAGC
AGACCATTGGGGCTCCCAGCCAGGCCCTTGTGCGCCCCACCAGTGCCTCTCCCTGCTGCTCCTAGGACC
CGTCTCCAGTGTGAGATCCTGGACTGAGGGGGCCTGGATGCCCCCTGTGGATGCTGCTGCCCTGCA
CAGCAGGCTGCCAGTGCCTGGGTGGATGGGCCACCGCCTTGCCAGCCTGGATGCCATCCAAGTTGTAT
ATTTTTTAATCTCTCGACTGAATGGACTTTGCACACTTTGGCCAGGGTGGCCACACCTCTATCCCGG
CTTTGGTGCGGGTACACAAGAGGGGATGAGTTGTGTGAATACCCCAAGACTCCCATGAGGGAGATGCC
ATGAGCCGCCCAAGGCCTTCCCCTGGCACTGGCAAACAGGGCCTCTGCGGAGCACACTGGCTCACCCAG
TCCTGCCCGCCACCGTTATCGGTGTCAATCACCTTTCGTGTTTTTTTTAATTTATCCTCTGTTGATTTT
TTCTTTTGCTTTATGGGTTTGGCTTGTTTTTCTTGCATGGTTTGGAGCTGATCGCTTCTCCCCACCCC
CTAGGGTACCAGCAGGCAGGCCTTGCCCTCTGCTCAGGCTGGGTCCAGTGGGAGGGGCCAAGATCT
CTGCTCAGAGAAGTGACAGGGGAGCCTTCCAGCTCACTCTCCCTGAGGACTGGCTTGACAGGGGCTATG
GGTTTGTCTTGGTGTGTTTTTAAAAAAGAAAATATATTTTTTTGAAAAACGACTGCCATCCCGGG
TCCTTTCCTGATGGGTTGGGCGAGTTACCTGGTGTGTTTTAATTAATAAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_145109.3</a>
<b>Summary:</b>	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]
<b>Locus ID:</b>	5606
<b>MW:</b>	37.6