

## Product datasheet for **SC211301**

### MEK1 (MAP2K1) (NM\_002755) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MEK1 (MAP2K1) (NM\_002755) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MAP2K1  
**Synonyms:** CFC3; MAPKK1; MEK1; MEL; MKK1; PRKMK1  
**ACCN:** NM\_002755  
**Insert Size:** 959 bp  
**Insert Sequence:** >SC211301 3'UTR clone of NM\_002755  
The sequence shown below is from the reference sequence of NM\_002755. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCACACCAACCCATGCTGCTGGCGTCTAAGTGTTTGGGAAGCAACAAGAGCGAGTCCCCTGCCCGGT
GGTTTGCCATGTCGCTTTTGGGCCTCCTCCCATGCCTGTCTCTGTTCAGATGTGCATTTACCTGTGA
CAAAGGATGAAGAACACAGCATGTGCCAAGATTCTACTCTTGTCATTTTTAATATACTGTCTTTATTC
TTATACTATTATTGTTCCCTAAGTGGATTGGCTTTGTGCTTGGGGCTATTTGTGTGTATGCTGATGA
TCAAAACCTGTGCCAGGCTGAATTACAGTGAAATTTGGTGAATGTGGTAGTCATTCTTACAATTGCA
CTGCTGTTCTGCTCCATGACTGGCTGTCTGCCTGTATTTTCGGGATTCTTTGACATTTGGTGGTACTT
TATTCTTGCTGGGCATACTTTCTCTCTAGGAGGGAGCCTTGTGAGATCCTTCACAGGCAGTGCATGTGA
AGCATGCTTTGCTGCTATGAAAATGAGCATCAGAGAGTGTACATCATGTTATTTTATTATTATTATTG
CTTTTCATGTAGAACTCAGCAGTTGACATCCAAATCTAGCCAGAGCCCTTCACTGCCATGATAGCTGGG
GCTTACCAGTCTGTCTACTGTGGTGTCTGTAGACTTCTGGTTGTATTTCTATATTTTTCAGTAT
ACTGTGTGGGATACTTAGTGGTATGTCTCTTTAAGTTTTGATTAATGTTTCTAAATGGAATATTTTG
AATGTCACAAATTGATCAAGATATTAATAATGTCGGATTTATCTTTCCCATATCCAAGTACCAATGCTG
TTGTAAACAACGTGTATAGTGCCTAAAATTGTATGAAAATCCTTTTAACCATTTTAACTAGATGTTTA
ACAAATCTAATCTCTTATTCTAATAAATACTATGAAAATAAAAAAAAAAAGGATGAAAGCTA
ACGCGTAAGCGGCCCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**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).



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<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_002755.4</a>
<b>Summary:</b>	The protein encoded by this gene is a member of the dual specificity protein kinase family, which acts as a mitogen-activated protein (MAP) kinase kinase. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act as an integration point for multiple biochemical signals. This protein kinase lies upstream of MAP kinases and stimulates the enzymatic activity of MAP kinases upon wide variety of extra- and intracellular signals. As an essential component of MAP kinase signal transduction pathway, this kinase is involved in many cellular processes such as proliferation, differentiation, transcription regulation and development. [provided by RefSeq, Jul 2008]
<b>Locus ID:</b>	5604
<b>MW:</b>	37.3