

## Product datasheet for **SC208618**

### ERK1 (MAPK3) (NM\_001109891) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** ERK1 (MAPK3) (NM\_001109891) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MAPK3  
**Synonyms:** ERK-1; ERK1; ERT2; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK; P44ERK1; P44MAPK; PRKM3  
**ACCN:** NM\_001109891  
**Insert Size:** 666 bp  
**Insert Sequence:** >SC208618 3'UTR clone of NM\_001109891

The sequence shown below is from the reference sequence of NM\_001109891. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TTCCAGCCCGGAGTGTGGAGGCCCTTAGCCCAGACAGACATCTCTGCACCTGGGGCCTGGACCTGC
CTCCTGCCTGCCCTCTCCCGCCAGACTGTTAGAAAATGGACACTGTGCCAGCCCGGACCTTGGCAGC
CCAGGCCGGGGTGGAGCATGGGCCTGGCCACCTCTCTCCTTTGCTGAGGCCTCCAGCTTCAGGCAGGCC
AAGGCCTTCTCCTCCCCACCCGCCCTCCCCACGGGGCCTCGGGACCTCAGGTGGCCCCAGTTCAATCTC
CCGCTGCTGCTGCTGCGCCCTTACCTTCCCCAGCGTCCCAGTCTCTGGCAGTTCTGGAATGGAAGGGTT
CTGGCTGCCCCAACCTGCTGAAGGGCAGAGGTGGAGGGTGGGGGGCGCTGAGTAGGGACTCAGGGCCAT
GCCTGCCCCCTCATCTCATTCAAACCCACCCTAGTTTCCCTGAAGGAACATTCCTTAGTCTCAAGGG
CTAGCATCCCTGAGGAGCCAGGCCGGCCGAATCCCCTCCCTGTCAAAGCTGTCACTTCGCGTGCCTC
GCTGCTTCTGTGTGGTGGAGCAGAAGTGGAGCTGGGGGGCGTGGAGAGCCCGGCCCTGCCACCTC
CCTGACCCGTCTAATATATAAATATAGAGATGTGTCTATGGCTGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul

**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.



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**RefSeq:** [NM\\_001109891.2](#)

**Summary:** The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008]

**Locus ID:** 5595

**MW:** 24