

## Product datasheet for **SC204637**

### ERK5 (MAPK7) (NM\_002749) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** ERK5 (MAPK7) (NM\_002749) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MAPK7  
**Synonyms:** BMK1; ERK4; ERK5; PRKM7  
**ACCN:** NM\_002749  
**Insert Size:** 343 bp  
**Insert Sequence:** >SC204637 3'UTR clone of NM\_002749  
The sequence shown below is from the reference sequence of NM\_002749. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTGACCTGCCTGACCTCCAGGACCCCTGAGGCCCCAGCCTGTGCCTTGCTGCCACAGTAGACCTAGT
TCCAGGATCCATGGGAGCATTCTCAAAGGCTTTAGCCCTGGACCCAGCAGGTGAGGCTCGGCTTGGATT
ATTCTGCAGGTTTCATCTCAGACCCACCTTTCAGCCTTAAGCAGCCACCTGAGCCACCACCGAGCCATGG
CAGGATCGGGAGACCCCAACTCCCCTGAACAATCCTTTTCAGTATTATATTTTTATTATTATTATGTT
ATTATTACACTGTCTTTTGGCCATCAAATGAGGCCTGTGAAATACAAGGTTCCCTTCTGCACCTGA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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).

**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\\_002749.4](#)



[View online »](#)

**Summary:**

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases act as an integration point for multiple biochemical signals, and are involved in a wide variety of cellular processes such as proliferation, differentiation, transcription regulation and development. This kinase is specifically activated by mitogen-activated protein kinase kinase 5 (MAP2K5/MEK5). It is involved in the downstream signaling processes of various receptor molecules including receptor type kinases, and G protein-coupled receptors. In response to extracellular signals, this kinase translocates to cell nucleus, where it regulates gene expression by phosphorylating, and activating different transcription factors. Four alternatively spliced transcript variants of this gene encoding two distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

**Locus ID:**

5598

**MW:**

12.8