

## Product datasheet for **SC204635**

### ERK5 (MAPK7) (NM\_139033) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ERK5 (MAPK7) (NM_139033) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MAPK7
Synonyms:	BMK1; ERK4; ERK5; PRKM7
ACCN:	NM_139033
Insert Size:	343 bp
Insert Sequence:	>SC204635 3'UTR clone of NM_139033 The sequence shown below is from the reference sequence of NM_139033. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GCTGACCTGCCTGACCTCCAGGACCCCTGAGGCCCCAGCCTGTGCCTTGCTGCCACAGTAGACCTAGT TCCAGGATCCATGGGAGCATTCTCAAAGGCTTTAGCCCTGGACCCAGCAGGTGAGGCTCGGCTTGGATT ATTCTGCAGTTTCATCTCAGACCCACCTTTCAGCCTTAAGCAGCCACCTGAGCCACCACCGAGCCATGG CAGGATCGGGAGACCCCAACTCCCCCTGAACAATCCTTTTCAGTATTATATTTTTATTATTATTATGTT ATTATTACACTGTCTTTTGGCCATCAAATGAGGCCTGTGAAATACAAGTTCCCTTCTGCACCTGA <b>ACGCGT</b> AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-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:	<u><a href="#">NM_139033.3</a></u>



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**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