

## Product datasheet for SC200789

### JNK1 (MAPK8) (NM\_139047) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** JNK1 (MAPK8) (NM\_139047) Human 3' UTR Clone  
**Symbol:** JNK1  
**Synonyms:** JNK; JNK-46; JNK1; JNK1A2; JNK21B1/2; PRKM8; SAPK1; SAPK1c  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pMirTarget (PS100062)  
**ACCN:** NM\_139047  
**Insert Size:** 141 bp  
**Insert Sequence:** >SC200789 3'UTR clone of NM\_139047  
 The sequence shown below is from the reference sequence of NM\_139047. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCAGCTGGGCCTCTGGGCTGCTGTAGATGACTACTTGGGCCATCGGGGGTGGGAGGGATGGGGAGTCG
GTTAGTCATTGATAGAACTACTTTGAAAACAATTCAGTGGTCTTATTTTGGGTGATTTTCAAAAAAT
GTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\_139047.1


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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 activated by various cell stimuli, and targets specific transcription factors, and thus mediates immediate-early gene expression in response to cell stimuli. The activation of this kinase by tumor-necrosis factor alpha (TNF-alpha) is found to be required for TNF-alpha induced apoptosis. This kinase is also involved in UV radiation induced apoptosis, which is thought to be related to cytochrom c-mediated cell death pathway. Studies of the mouse counterpart of this gene suggested that this kinase play a key role in T cell proliferation, apoptosis and differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Apr 2016]

**Locus ID:**

5599

**MW:**

4.9