

## Product datasheet for **SC214189**

### JNK2 (MAPK9) (NM\_001135044) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	JNK2 (MAPK9) (NM_001135044) Human 3' UTR Clone
Symbol:	JNK2
Synonyms:	JNK-55; JNK2; JNK2A; JNK2ALPHA; JNK2B; JNK2BETA; p54a; p54aSAPK; PRKM9; SAPK; SAPK1a
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001135044
Insert Size:	1408 bp



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**Insert Sequence:** >SC214189 3'UTR clone of NM\_001135044  
 The sequence shown below is from the reference sequence of NM\_001135044. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGCGACCTTGGCCCCGCATGCTTTCTTAATGCCTCAGGCAGCATGACCACCTGCTTACACGAGCGCTC
ACGAGGACAAAGTCGTAAATCCACTCCAGACTGTGTTCTAAGGGGGGCTTTACTGTATTTGTTAATTA
GTGTCACAAGCCAAGTGGTTCAATTTCAATTTATTTTAACTTGACTACCTGTGATGACTTTGAGAC
TTAGAGTTCAGTTAAACCGATTATATTAGCTCTTAATTTTGCCAAAAATAGCTGGACACATAGAAGAAA
TTATTTACTCTTTGATAAGTATATTCTGATATTTAAATGAAAATACTGTATTATTAGTTTATCCGTT
AATTTAACTAGGAAAGATGCTATCTAAATTTAATAGGCTAGTGTGCTTGTGTGCTTAAATTAAGTACTA
TTTTGTTAGTTACTGGTATGCATTGAAATATTTTCCCCAAAAGTAAGAACTGAAGCACATTACAAAGGA
CCTAAGTGAAGAGATTAATGAAAATTTTGTGAGGAACAATATGTTAACTTTCTTGTGTTGTTACTG
TGCTGACATTTTGTAGAATTTTTTTTAAAAATCTGTCTAGTGGGTATTTTGTGACACACTGGGGGAAAGT
CAAAAATAATGTAATGAAAGAGATAAACTCATACTGTAGTCAGCAAGTCATGTTAGAGATACAGCAG
AAAGGAGAATAACTACTTAATGTTACAATAGCCTTCTTTCCCTCATTGGCCATTCTCCATCCTCAGT
ATTTTTACCCTAACATGGTTCTTCACATCTCCCTTTTTTCATTTGTGTTTTAACCACTTAGTTTTTCA
TTAGTCTTTGACTTTGTTTTCGTTATGAAAGTTTTAAATGGTCTCCATCCTTGGGCAGATTGATGGTTG
CTTTAAGGAAATCAAGCTCCATAGTCAGTGTGTTGTATGTATCTTAGGAAAATAATTTTCAGATTTTAA
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CTCTCATTTTATTTACCTTTCTTTACATTTTCTATATCATAGATTATATAATATGTCAAGTTATTTTAT
TTGTTCTACTAAATTTTCTAGCAGTTTCCATAGCCTCATCTCAGATTCACTTGTGCAACCTATAAATA
AGGACGCTTTTATTTGCAAGTAAACTTAATTAAGGAAAAGTTGAAAAATTAAGACTAATAAT
TTAGAAATATCTACTTAATGTTCAAGTTTGTCTCAATTCTTACTCATTTTGTGCCATTCTTGTGTTTATT
ACAAAATGTTTTCTTCAAAAAGTACAAAATGAAAATGTGAGTACTTTTTGGTGCATTTTAGTAAGTA
AAATTAATTCCTGCTATACATATGAA
ACGCGTAAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
  
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**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\\_001135044.2](https://www.ncbi.nlm.nih.gov/nuccore/NM_001135044.2)

**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 targets specific transcription factors, and thus mediates immediate-early gene expression in response to various cell stimuli. It is most closely related to MAPK8, both of which are involved in UV radiation induced apoptosis, thought to be related to the cytochrome c-mediated cell death pathway. This gene and MAPK8 are also known as c-Jun N-terminal kinases. This kinase blocks the ubiquitination of tumor suppressor p53, and thus it increases the stability of p53 in nonstressed cells. Studies of this gene's mouse counterpart suggest a key role in T-cell differentiation. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Sep 2008]

**Locus ID:**

5601

**MW:**

55