

## Product datasheet for **SC210602**

### **TAK1 (MAP3K7) (NM\_003188) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	TAK1 (MAP3K7) (NM_003188) Human 3' UTR Clone
Symbol:	TAK1
Synonyms:	CSCF; FMD2; MEKK7; TAK1; TGF1a
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003188
Insert Size:	2000 bp



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**Insert Sequence:** >SC210602 3'UTR clone of NM\_003188  
 The sequence shown below is from the reference sequence of NM\_003188. 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
CAGCAGCAGAAAAGCAAGGCACCTTCAATGATTCTCTGGGACCGTTACATTTTGAAATATGCAAAGAAAG
ACTTTTTTTTTAAGGAAAGGAAAACCTTATAATGACGATTCATGAGTGTTAGCTTTTTGGCGTGTTCTG
AATGCCAACTGCCTATATTTGCTGCATTTTTTTCATTGTTATTTTCTTTTTCTCATGGTGGACATACA
ATTTTACTGTTTCATTGCATAACATGGTAGCATCTGTGACTTGAATGAGCAGCACTTTGCAACTTCAAA
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TTTATTCTTGATCTCATCTCAAAATATTAATAATTTTTTCCAAAAGATGGTATATACCAAGTAAA
GACAGGGTATTATAAATTTAGAGTGATTGGTGGTATATTACGAAATACGGAACCTTAGGGATAGTTC
CGTGTAAGGGCTTTGATGCCAGCATCCTGGATCAGTACTGAACCTCAGTCCATCCGTAAAAATATGTAA
AGGTAAGTGGCAGCTGCTCTATTTAATGAAAGCAGTTTTACCGGATTTGTAGACTAAAATTTGATTG
TGATACATTGAACAAAATGGAACCTATTTTTTTAAGGAGTAAAGATTTTTAATCTGTGATTGTGTG
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CTCTATATTTTTTTCAGTTGGTGTAAAATAAGTCACATTTTATACAGTACAAGATGCTTTTTAAATA
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CTAAGAAGTTATCAAACTATTCTTTAAAATGCTAAAGCAGGTAACCTTTTCTCCATTATTTTTCT
CCTACCACTGAGTTTTGTAATGAATTCCTGTGTATAACAAGCAATACAGGTGAATACTAACTGTTATT
TTTAGCTTCTTCAAAAGCTATTTGAAAGCTTCTGGAATAAATGTCTTCTGTCAATTTAATTTAAT
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AGTAAAATAAAATTTGGCAGAGAAAATAACTGTAGACTAGGATAAAGCATGACTCCTCCATAGCATTGTT
GCTTGTATGTACATCTGTCACTCCAAGGACCTAGTCACTTTAAAGAGGCCTTTTATCTCAGCA
CGAGATATCCAAGCGTGAATGCTAAGGCTTGATGTTTCCATTAGGATTTAGCATTTCGAGATTTAGATT
TTATTTATAGTCATTGATGTGTTTTGCTGTATTATAACACATTTAAGGGAAATTTATTATGGTTTTT
ACGCGT AAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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**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:** [NM\\_003188.4](#)

**Summary:**

The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

**Locus ID:**

6885

**MW:**

78.7