

## Product datasheet for **SC207454**

### TAB1 (NM\_153497) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** TAB1 (NM\_153497) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** TAB1  
**Synonyms:** 3'-Tab1; MAP3K7IP1  
**ACCN:** NM\_153497  
**Insert Size:** 591 bp  
**Insert Sequence:** >SC207454 3'UTR clone of NM\_153497  
The sequence shown below is from the reference sequence of NM\_153497. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACCTCCTGGGCAGCCTGACCCAGGGTAGGAAGGAAGCGCCTACACCAAGGGGCCCTCTGGGAGCTGA
GATCATCCTGGGGTTTTGTGCGCTGGTCTGACTTGTGCACTGGGATCTTCTCGTGCCAGGCCAGGCCCC
GCCCCCTCCCGGACTGGGCAGACCCCTCCCTCATGCATCTGTGTCCACTGAGGCTTCCCTCACCTA
GAATGGCCATCCTTCAGGACCCAGCTCACTCTCATCTTCTTTCCAGGGACTTATCCCCAAGGCTGTC
CTCTGTTCTGGTGAAGCTCAGGGCTCTTGGAACTTGGTCTGCAGTGACTCTGGGGTTCTGGTTAGGACC
CATGTTCTTAGGTCCCAGCACCCCTGCACGGGGCAGTGTTTGTGACTGGGCCAGCTATTCTGAGAG
AAGGACTCCAACCTTCCATCAGGTGTGGCCGAGATGTGGGTGGCCCTGGGCATGGGGCATGGATGCAT
TGTGACTTTCATGGCCCTTCTGCAAAAAAAAAAATAAAATTACTTTATGACTATTGGTAGAAAAGA
TAAATATATTAATACATTAATAATTTCTCTTTGAGTAAAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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.



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RefSeq: [NM\\_153497.3](#)

**Summary:** The protein encoded by this gene was identified as a regulator of the MAP kinase kinase kinase MAP3K7/TAK1, which is known to mediate various intracellular signaling pathways, such as those induced by TGF beta, interleukin 1, and WNT-1. This protein interacts and thus activates TAK1 kinase. It has been shown that the C-terminal portion of this protein is sufficient for binding and activation of TAK1, while a portion of the N-terminus acts as a dominant-negative inhibitor of TGF beta, suggesting that this protein may function as a mediator between TGF beta receptors and TAK1. This protein can also interact with and activate the mitogen-activated protein kinase 14 (MAPK14/p38alpha), and thus represents an alternative activation pathway, in addition to the MAPKK pathways, which contributes to the biological responses of MAPK14 to various stimuli. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Locus ID: 10454

MW: 21