

Product datasheet for **SC215936**

TAB1 (NM_006116) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	TAB1 (NM_006116) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TAB1
Synonyms:	3'-Tab1; MAP3K7IP1
ACCN:	NM_006116
Insert Size:	1690 bp



[View online »](#)

Insert Sequence: >SC215936 3'UTR clone of NM_006116
The sequence shown below is from the reference sequence of NM_006116. 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
GGCGAGCAGAGCGTGGTACAGCACCGTAGGGCAGCCGGAGAATGCAGCCCAAGCAGGGCCCTGGCATGG
GGCAGGACAGGGTCCAGCCTTTTCTAACATCTGCCTGTGCCACAACGGCCAGCAGGTGCCCATCTCTC
TGCCACAGCAGACTCTGTCCATGGCTCTCCGGGAGTAGAGTGTGTAGTGCAGACTGGACCTGTGG
TTCATACCTTGTACCACCCGGGAAGCTGAAGGCCACTTCTCCAGATGGCCTCAGCCAGGACCATCG
CCCTTCTCAGAGCAGAGGGCCAGGTATAGAAACCGCAGTGGCCTGCAAGCCGCCGAGCCTCCCCAG
CAGCCTCTACAGAGCAGGAAGAGGGCCCTGTGAACCCTGAGTGTGCAGGCCAGCAGACCCTGTG
TCCAAGCCACCCTCTCCACCATCACCTCCCTCACCTCGGGACAGTAGCCCTCCACTTCTCCAGC
CTCTCAGCCCTGTCTCTGCATCCAGAGTGGAACCCAGGCTGGTGTCCGCATCTGTCCCTGGGCCCA
CCCTGGACCTGCCTTGGTTGTGTATCTGTTGTAACGTTACAGGAGACCAGGGCAGCATCTGGGGCC
TGGGATGGCCACAGAAGGGGAGGCCAGGTGGAAGGAGCCAGGGGGAAGTGGTCTAAGAGACCTGGAA
CTGCCAGAGGATGGCGGCTGGGCTTCCCAGAGCCAGGCGTGCAGGAGAGGTGAGGACTGGCCCGGT
GGGCTGAGGCAGGGGCCGCTGTCTGTCAGGCCTGAGCCAGGGTGTGCTGGTGCCTGCCTTGCATTTTCT
TCTGGTGTGTGAAGACCATAGGCTGGCAGGCAGCTGAGATGAAGTGTCTTTACCACTGATGAGGGGCC
TCTGCCGCTGAGGGTAGCAAGCAGGGGTTGTGAGTACAGGCTGGGGACTTGTGAAAGAAAGAGGAG
TGGAAAATGGTTCCAGGAGGGAAGAGGTTCTTTGAGACACAGTACCCTGGGAGGCATAGGAGAAGGGTC
GGGCCAGCCCAGCCCAGGGCCTGAGTTAGACTATTTCCACATGTTCTCTGCCTTCAGTGGGGAGGGGG
TGCCACCAGGGCTGTCCGCCAGGATTGCCACTCCTGTTTCAGAGGAAGCAGGCCGAGAGACTTGCACCT
TGGCCAAGCCACACAATCAGTGGGGCAGCCAGAGCTCAGACCTGAGCCATTTTGTAGTATCCAGGACC
CCCCGATTCTCCACGCCTCCCATCTCCAGTCTCCCTGCCCCCATGCCCCAGACCGGCCACCAG
GGACTAGCCGCTGTCCACAGCCTCTGGGGTGTGGTCTCTGCGAAGTCAAAGGCTGACAGCTGTGT
GGCCTGGGAATCCATTTTCTGCGGCAGAGCAGGGCCTGGTGTGGAACCAGGGAGCTGTGGGAAGCCAC
AGCAGAAATGGAAGAAAAACAGGTCTCAGCCCAGGGTCTCGTCACTCCCTCACTCCCCACTTTGAAG
CCATCTCTGTTTGCAGGTGAGAGGATTTAAAGTCAGTCACAAAGGCTTGGGAACAAAAGGAATTCTCT
TCCAAGAATGCCTCTGTGGTGTGTTTGGTCTCTAGAAACAGGGTCACTTTTTTAATGTAGTAAAGAAG
TAATAAATGGTGGCATTACACATTGTGATATTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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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_006116.3](#)

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:

60.4