

## Product datasheet for **SC216991**

### **TAB2 (NM\_015093) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	TAB2 (NM_015093) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	TAB2
Synonyms:	CHTD2; MAP3K7IP2; TAB-2
ACCN:	NM_015093
Insert Size:	1918 bp



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**Insert Sequence:** >SC216991 3'UTR clone of NM\_015093  
 The sequence shown below is from the reference sequence of NM\_015093. 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
GACACAGTGTGAGATGCCAAGGCATTTCTGAGCCAAATGGCCCTGTATCTTCTCTAAAACCACATCTAAA
GTTCAAGAAACTAGTCTGTCATCGGAAAAAGTTTCACTGCTACATAGGATTTTGTCAAATTGAAGGTG
TGACAAGATGGTGTCTGCTAATGTTAAATGTCAGCCACAGAGCTAATAATACCTCAGTATAATGTCA
TGAGCAGTTGAAATTCATCAGTAAAAGTAACTGCTGAAAAGACTTGGTTGCCACTGCCTAACTGTG
TACAGTGTACCAGTGTCCATTATGGATAATTCTCAATATGTTAACACCTAGGTGTTCCCAATACCTT
TTTCCCCTCATGCTACTACTGAATTTTACAGGAGGAAGGAATAGAATGATAGCTTGTTTTATTTGTAA
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CCGCATAGTGCCATTGGATAGGGAAGAAGTTCAGAAATCTGTGGTACTCTTGGCCTTGCTTTGTCTTC
CCTGAACGTGTCTCCACTCTGTGAAGCCAGCATCTAGGGGCTAAAGATGCAAAGGAAAGCAGCATGCAT
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AAGTGATTTCTTTTCTTCTTGTATTTTTCTTATATTTCTATATGTATAGTGAATAGCCTTTTGTAA
CTAATTTTCTTTTCTTTTCTTTTAGTAATTAAGCACGATCATGTCCCTTTTAAAGCCTTACCTGAGAGGAA
CAATGCCTTAAATAAAAAAGCATTAAATGAGATGAAAAGTATGCACAGAATAAATTTCTCTACTTATTC
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GCAACAGCAGCAGTACCTACAGCCCTTTTGGAGAGAAGTTTAAATGCTTTACTGTTGGGCAGTCC
ATTTCTAATCCTGACTTGGTGACAGTATCATGTGTATTTATAAAACAAGGCTAGCCATATTTAGGACAA
CTGAAGAAAAGCTGGAAAAAAAACAAGCAAACTTGAACACTGAAGCAACCTCAAGCATCTCTTTATTT
TGATGATATATTTTGAAGGAAAATATTCAGATGATCAGGAATGTATATAACTGAAATCAAGAAAAAG
AACAGTATGCATTTAAAAAGACAGAATTATGAAATATATGAGTGCTTAGAATGGGGCTAAGGGAAGTG
CTGAAATAGAGCAAAGGATGGAAGATAATATAGACTACCACCACTGTAATGTTTGAAGTGGCTGTG
TTTTAAATGGGATTATTACAGTTGATCTCTATGAATGTCAGAGCCCTAACTTTCAGGCTTTGCATTTTG
TATATGGGAAGAAATATGACAATCCTAGGTAATTAACCATAGACCCAAAGCCCTTACGTTTGATGCAA
TTTATTTTAAAAATAGGCCTTGTTTTTCAGCTTCTATGTCAGTTCATATGTGAAGATTGATAAATCAGTT
TTTACTTGTTTTATTAATAAAAACGTAATTTGGATATCTTGAGTTGATGGTTTTGTGATTTAGCTGGGTA
AACTATCTTTGTAACAGATAAGTTATTTATAAAAAATAAAAAATTTATATTCTAA
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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\\_015093.6](#)

**Summary:**

The protein encoded by this gene is an activator of MAP3K7/TAK1, which is required for for the IL-1 induced activation of nuclear factor kappaB and MAPK8/JNK. This protein forms a kinase complex with TRAF6, MAP3K7 and TAB1, and it thus serves as an adaptor that links MAP3K7 and TRAF6. This protein, along with TAB1 and MAP3K7, also participates in the signal transduction induced by TNFSF11/RANKI through the activation of the receptor activator of NF-kappaB (TNFRSF11A/RANK), which may regulate the development and function of osteoclasts. Studies of the related mouse protein indicate that it functions to protect against liver damage caused by chemical stressors. Mutations in this gene cause congenital heart defects, multiple types, 2 (CHTD2). Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]

**Locus ID:**

23118

**MW:**

74