

## Product datasheet for **SC310156**

### **TAB3 (NM\_152787) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TAB3 (NM_152787) Human Untagged Clone
Tag:	Tag Free
Symbol:	TAB3
Synonyms:	MAP3K7IP3; NAP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC310156 representing NM\_152787.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCGCAAAGCAGCCACAGCTTGATATTCAGGTTCTCCATGATCTTCGACAACGTTCCCTGAAATT
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TCCCAGGAGAGTAGCAAATACTTATATATGGAATACCATAGTCCAGATGACAATAGGATGAATAGAAT
CGCCTTTTACATATTAACCTGGGTATCCATTCTCCTAGTAGCTATCACCCAGGAGATGGAGCCCACTT
AATGGTGGTGAACACTGGTACATAGCTCAAGTATGGACATATTGATCCTCAGCATGCAGCAGGTAATA
CAGCTGATATGTTTAGTCAAGAACCACACTCAGCTCCAGCTGTTGTTGCTACTCCAACTACAAT
CCATTTTTTATGAACGAACAGAACAGAAGTGCAGTACTCCTCCTCACAACCACCTCAACAGCCATCT
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ATGCACATACCTCGGTATAGTACAAATCCAATTACTGTTACAGTATCCCAGAACCTCCCTCTGGACAG
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TATATTAGACAGACATCTCAGAGTTCATCAGGAAGACAACTCCTCAGAGTACGGCGTGGCAGTCCCTCA
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GACCTGATGCAGAGACGGCTCAGAAGAGTCACTGCACCACTGCGATCCCTACGCTGAGGAAATGACA
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CAATCTAGAGGAACTTTGATCCAAAAGCCATGAATAATTTTTATGACAACATAGAACCTGGCCAGTT
GTACCACCAAGCCATCTAAAAAGACTCCTCAGACCCCTGCACAATTGAGAGAAAAGCCGAAGAATT
AGCGTGACCTCCAAAGTACAGGCAGACATCCATGACACCCAGGCAGCAGCTGCAGATGAGCATCGAACT
GGCTCCACACAAAGTCTCGGACACAACCTCGAGATGAAGACTACGAAGGGGCTCCATGGAATTGTGAT
AGCTGCACCTTTCTTAAACCCAGCACTAAATCGCTGTGAGCAGTGGCAGATGCCACGGTACACCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_152787

**Insert Size:** 2139 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_152787.4</a>
<b>RefSeq Size:</b>	6798 bp
<b>RefSeq ORF:</b>	2139 bp
<b>Locus ID:</b>	257397
<b>UniProt ID:</b>	<a href="#">Q8N5C8</a>
<b>Cytogenetics:</b>	Xp21.2
<b>Domains:</b>	zf-RanBP, CUE
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	NOD-like receptor signaling pathway
<b>MW:</b>	78.7 kDa
<b>Gene Summary:</b>	The product of this gene functions in the NF-kappaB signal transduction pathway. The encoded protein, and the similar and functionally redundant protein MAP3K7IP2/TAB2, forms a ternary complex with the protein kinase MAP3K7/TAK1 and either TRAF2 or TRAF6 in response to stimulation with the pro-inflammatory cytokines TNF or IL-1. Subsequent MAP3K7/TAK1 kinase activity triggers a signaling cascade leading to activation of the NF-kappaB transcription factor. The human genome contains a related pseudogene. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]