

## Product datasheet for **SC300181**

### **TBC1D3B (NM\_001001417) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	TBC1D3B (NM_001001417) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D3B
Synonyms:	PRC17; TBC1D3I; TBC1D3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC300181 representing NM\_001001417.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGACGTGGTAGAGGTCGCGGGTAGTTGGTGGGCACAAGAGCGAGAGGACATCATTATGAAATACGAA
AAGGGACACCGAGCTGGGCTGCCAGAGGACAAGGGCCTAAGCCTTTTCGAAGCTACAACAACAACGTC
GATCATTTGGGGATTGTACATGAGACGGAGCTGCCTCCTCTGACTGCGCGGGAGGCGAAGCAAATTCGG
CGGGAGATCAGCCGAAAGAGCAAGTGGGTGGATATGCTGGGAGACTGGGAGAAATACAAAAGCAGCAGA
AAGCTCATAGATCGAGCGTACAAGGGAATGCCATGAACATCCGGGGCCCGATGTGGTCACTCCTCTG
AACATTGAGGAAATGAAGTTGAAAAACCCCGGAAGATACCAGATCATGAAGGAGAAGGGCAAGAGGTCA
TCTGAGCACATCCAGCGCATCGACCGGGACATAAGCGGGACATTAAGGAAGCATATGTTCTTCAGGGAT
CGATACGGAACCAAGCAGCGGAACTACTCCACATCCTCCTGGCATATGAGGAGTATAACCCGGAGGTG
GGCTACTGCAGGGACCTGAGCCACATCGCCGCCTTGTTCCTCTATCTTCTGAGGAGGATGCATTC
TGGGCACTGGTGCAGCTGCTGGCCAGTGAAGGCACTCCCTGCAGGGATTTACAGCCCAAATGGCGGG
ACCGTCCAGGGGCTCCAAGACCAACAGGAGCATGTGGTAGCCACGTCACAATCCAAGACCATGGGGCAT
CAGGACAAGAAAGATCTATGTGGGCAGTGTCCCGGTTAGGCTGCCTCATCCGGATATTGATTGACGGG
ATCTCTCTCGGGCTCACCTGCGCCTGTGGGACGTGTATCTGGTAGAAGGCGAACAGGCGTTGATGCCG
ATAACAAGAAATCGCCTTTAAGGTTACAGCAGAAGCGCCTCACGAAGACGTCAGGTGTGGCCCGTGGCA
CGTTTTTGCAACCGGTTTCGTTGATACCTGGGCCAGGGATGAGGACACTGTGCTCAAGCATTTAGGGCC
TCTATGAAGAACTAACAAAGAAAGCAGGGGGACCTGCCACCCCGACCAAACCCGAGCAAGGGTCGTCG
GCATCCAGGCCTGTGCCGGCTTACGTGGCAGGAAGACCCTCTGCAAGGGGGACAGGCAGGCCCTCCA
GGCCCACAGCCCGGTTCCCGGCCCAATTTGGTCAGCTTCCCGCCACGGGCACCTCGTTCTTCCACA
CCCTGTCTGGTGGGGCTGTCCGGGAAGACACCTACCCTGTGGCACTCAGGGGTGTGCCAGCCCGGCC
CTGGCTCAGGGAGGACCTCAGGGTTCCTGGAGATTCTGCACTGGAACCTCATGCCCGCCTCCCAACG
GACCTGGACGTAGAGGGCCTTGGTTCGCCATTATGATTTACAGACAGAGCTGCTGGGTCCGTGCCATA
TCCCAGGAGGACCAGCTGGCCCCCTGCTGGCAGGCTGAACACCCTGCGGAGCGGGTGAATCGGCTTTC
GCTGCACCAGCACTGATTCGACCAGGGCACCCTTCCAGAGCTAGGGACGAACAGCAGTGTGCTCCC
ACCTCAGGGCCTTGCTCTGCGGCCTCCACTTGGAAAGTTCTCAGTTCCTCCAGGCTTCTAG
ACGGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001001417
- Insert Size:** 1650 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).
- OTI Annotation:** 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.
- Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_001001417.6](#)

**RefSeq Size:** 2110 bp

**RefSeq ORF:** 1650 bp

**Locus ID:** 414059

**UniProt ID:** [A6NDS4](#)

**Cytogenetics:** 17q12

**MW:** 62.3 kDa

**Gene Summary:** This gene encodes a protein that is similar to TBC1 domain family, member 3. This protein contains a TBC (Tre-2, Bub2p, and Cdc16p) domain, which is found in proteins involved in RAB GTPase signaling and vesicle trafficking. There are multiple copies of this gene located within a cluster of chemokine genes on chromosome 17q. [provided by RefSeq, Apr 2009]