

## Product datasheet for **SC332052**

### **TOB (TOB1) (NM\_001243885) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TOB (TOB1) (NM\_001243885) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** TOB  
**Synonyms:** APRO5; APRO6; PIG49; TOB; TROB; TROB1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332052 representing NM\_001243885.  
**Blue**=Insert sequence **Red**=Cloning site **Green**=Tag(s)

```
ATGCCATAAGTGACCCAGCCTCATCAGTGCCAGCTCTCCATCGCCTCCTTTGGTCACTCTGCTGCT
GTAAGCCCTACCTTCATGCCCGGTCCACTCAGCCTTTAACCTTTACCACTGCCACTTTTGTGCCACC
AAGTTCGGCTCTACCAAATGAAGAATAGTGGCCGTAGCAACAAGGTTGCACGTACTTCTCCATCAAC
CTCGGCTTGAATGTGAATGACCTCTTGAAGCAGAAAGCCATCTCTTCTCAATGCACTCTGTATGGG
CTTGGCTTGGGTAGCCAGCAGCAGCCACAGCAACAGCAGCAGCCAGCCAGCCGCCACCCGCCACCACCA
CCACCACAGCAGCAACAACAGCAGAAAACCTCTGCTCTTCTCCTAATGCCAAGGAATTTATTTTCTT
AATATGCAGGGTCAAGGTAGTAGTACCAATGGAATGTTCCAGGTGACAGCCCTTAACCTCAGTCCT
CTCCAGTACAGTAATGCCTTTGATGTGTTGCAGCCTATGGAGGCTCAATGAGAAATCTTTGTAGAT
GGCTTGAATTTAGCTTAAATAACATGCAGTATTCTAACCAGCAATCCAGCCTGTTATGGCTAACTAA
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001243885  
**Insert Size:** 621 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).  
**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).



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**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\\_001243885.1](#)

**RefSeq Size:** 2056 bp

**RefSeq ORF:** 621 bp

**Locus ID:** 10140

**UniProt ID:** [P50616](#)

**Cytogenetics:** 17q21.33

**Protein Families:** Druggable Genome

**MW:** 22 kDa

**Gene Summary:** This gene encodes a member of the transducer of erbB-2 /B-cell translocation gene protein family. Members of this family are anti-proliferative factors that have the potential to regulate cell growth. The encoded protein may function as a tumor suppressor. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]  
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus compared to isoform 1.