

Product datasheet for **SC324185**

TOB (TOB1) (NM_005749) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOB (TOB1) (NM_005749) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOB
Synonyms:	APRO5; APRO6; PIG49; TOB; TROB; TROB1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_005749.2
 AGCAGCTATGCAGCTTGAATCCAAGTAGCACTAAATTTATTATTTTCGTATTTGTACAA
 TAAGCTTCCCAGGAGACGTGTCAACATTTTTGGTGAAGAACTTGAAGACTTCTTAAGAA
 GAAATATGAAGGGCACTGGTATCCTGAAAAGCCATACAAAGGATCGGGGTTTAGATGTAT
 ACACATAGGGGAGAAAGTGGACCCAGTGATTGAACAAGCATCAAAGAGAGTGGTTTGA
 CATTGATGATGTTTCGTGGCAATCTGCCACAGGATCTTAGTGTGGATCGACCCATTGA
 GGTTTCTTACCAATTGGTGAAGGGACCAGTGAAGGTGCTTTACGTGGATGATAATAA
 TGAATGAGTGTGAGTTGGATAAGGAGATCAAAAACAGCTTTAACCCAGAGGCCAGGT
 TTTTATGCCCATAAAGTACCCAGCCTCATCAGTGTCCAGCTCTCCATCGCCTCCTTTTGG
 TCACTCTGCTGTGAAGCCCTACCTTCATGCCCGGTCCACTCAGCCTTTAACCTTTAC
 CACTGCCACTTTTGTGCCACCAAGTTCGGCTCTACAAAATGAAGAATAGTGGCCGTAG
 CAACAAGTTGCACGTACTTCTCCCATCAACCTCGGCTTGAATGTGAATGACCTTTGAA
 GCAGAAAGCCATCTTCTCAATGCACCTCTGTATGGGCTTGGCTTGGGTAGCCAGCA
 GCAGCCACAGCAACAGCAGCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCA
 GCAACAACAGCAGAAAACCTCTGCTCTTCTCCTAATGCCAAGGAATTTATTTTCTTAA
 TATGCAGGGTCAAGGTAGTAGTACCAATGGAATGTTCCAGGTGACAGCCCTTAACCT
 CAGTCCTCTCCAGTACAGTAATGCCTTTGATGTGTTTGCAGCCTATGGAGGCCTCAATGA
 GAAGTCTTTTGTAGATGGCTTGAATTTAGCTTAAATAACATGCAGTATTCTAACCGCA
 ATTCCAGCCTGTTATGGCTAACTAAAAAAGAAAATGTATCGTACAAGTTAAAAATGCAC
 GGGCCCAAGGGGATTTTTTTTTTACCTCCTTGAGAATTTTTTTTTTAAAGCTTATAGT
 AAGGATACATTCAAGCTTGGTAAAAAATAATAATAAACATGCATCATTTTTTCATTTG
 CCACCAAGCACAAGTTATTTTATACTGACTGTATTTTTAAAGTATACTCTCAGATAT
 GGCTCTTACAGTATTTAAGATATAGCAAGGACATGGCTGATTTTTTTTTTAAAAAATG
 GCACTAATAAGTGGGTTTATTGGTCTTTTCTAATTGTATAATTTAATTTAGTACAAAGTT
 TGTAATAATATCAGAGGATATATATATTTGTTTCTACGACATGGTATTGCATTTATATCT
 TTTTACTACAGTATCTGTGACAGCAGCAGCTTCATGTTGATTTTTTTTTACTGAAATG
 TAAAAATCCATCTTAAAGACATCAACTATTCTAAAAATGTGTACAGGATATTCCTTTA
 GTGGTGAATAAAAATGTACGAATACTTGTCTTTTTCAAAAAATGTATTTTCTGTAAAA
 GTTTAAAGATTTTGTCTATATATTATGGAAGAAAAATGTAATCGTAAATATTAATTTTGT
 ACCTATATTGTCAATACTTGAACAAAAACGGTATAAAAGTATTTTGTAGTCAGTGTCTTAC
 ATGTTAAGAGGGACTGAAATAGTTTATATTAAGTTTGTATTAATTTCTTTAAAAATTA
 AA

Restriction Sites: ECoRI-NOT

ACCN: NM_005749

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_005749.2](#), [NP_005740.1](#)

RefSeq Size: 1830 bp

RefSeq ORF: 1038 bp

Locus ID: 10140

UniProt ID: [P50616](#)

Cytogenetics: 17q21.33

Domains: Anti_proliferat

Protein Families: Druggable Genome

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 (1) represents the longer transcript and encodes the longer isoform (1). Both variants 1 and 2 encode the same isoform (1).