

Product datasheet for SC116550

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116550 sequence for NM_005749 edited (data generated by NextGen Sequencing)

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ATGCAGCTTGAAATCCAAGTAGCACTAAATTTTATTATTTTCGTATTTGTACAATAAGCTT
CCCAGGAGACGTGTCAACATTTTGGTGAAGAAGCTTGAAAGACTTCTTAAGAAGAATAT
GAAGGGCACTGGTATCCTGAAAAGCCATACAAAGGATCGGGGTTTGTAGATGTATACACATA
GGGAGAAAAGTGGACCCAGTGATTGAACAAGCATCCAAAGAGAGTGGTTTGGACATTGAT
GATGTTTCGTGGCAATCTGCCACAGGATCTTAGTGTGGATCGACCCATTTGAGGTTTCT
TACCAAATTGGTAAAAGGGACCAGTGAAGGTGCTTTACGTGGATGATAATAATGAAAAT
GGATGTGAGTTGGATAAGGAGATCAAAAACAGCTTTAACCCAGAGGCCAGGTTTTTATG
CCCATAAGTGACCCAGCCTCATCAGTGTCCAGCTCTCCATCGCCTCTTTTGGTCACTCT
GCTGCTGAAGCCCTACCTTCATGCCCCGGTCCACTCAGCCTTTAACCTTTACCACTGCC
ACTTTTGTGCTGCCACCAAGTTCGGCTCTACCAAAATGAAGAATAGTGGCCGTAGCAACAAG
GTTGCACGTACTTCTCCCATCAACCTCGGCTTGAATGTGAATGACCTCTTGAAGCAGAAA
GCCATCTCTTCTCAATGCACTCTCTGTATGGGCTTGGCTTGGGTAGCCAGCAGCAGCCA
CAGCAACAGCAGCAGCCAGCCAGCCGACCCACCACCACCACCACAGCAGCAACAA
CAGCAGAAAACCTCTGCTCTTTCTCCTAATGCCAAGGAATTTATTTTCTAATATGCAG
GGTCAAGGTAGTAGTACCAATGGAATGTTCCAGGTGACAGCCCCCTAACCTCAGTCCT
CTCCAGTACAGTAATGCCTTTGATGTGTTTGCAGCCTATGGAGGCCTCAATGAGAAATCT
TTTGTAGATGGCTTGAATTTTAGCTTAAATAACATGCAGTATTCTAACCCAGCAATTCAG
CCTGTTATGGCTAACTAA

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Clone variation with respect to NM_005749.3



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_005749 unedited GCGGCTTTTGTATACGACTCCTATAGGGCGGCCGGAATTCGCACGAGGGTCTGTGGTCC AAGCCGCCCGAAGCACC CGAACAGATCACTCAAGGTGAAGGATAATCTACTAATACCA GCACTTTGAATGAAAAATTTGTTTCTCTGCCACAACTGAACATCTTTTTTTTTTTTTTT TTTTTGGTGGGGAGTTGAAACCTAATTTGTGGCGTAGCAGCTATGCAGCTTGAATC CAAGTAGCACTAAATTTATTATTTTCGTATTTGTACAATAAGCTTCCCAGGAGACGTGTC AACATTTTTGGTGAAGAAGCTTGAAGACTTCTTAAGAAGAAATATGAAGGGCACTGGTAT CCTGAAAAGCCATACAAAGGATCGGGGTTTAGATGTATACACATAGGGGAGAAAGTGGAC CCAGTGATTGAACAAGCATCCAAAGAGAGTGGTTTGGACATTGATGATGTTTCGTGGCAAT CTGCCACAGGATCTTAGTGTGGATCGACCCATTTGAGGTTTCTTACCAAATTGGTGAA AAGGGACCAGTGAAGGTGCTTTACGTGGATGATAATAATGAAAATGGATGTGAGTTGGAT AAGGAGATCAAAAACAGCTTTAACCCAGAGGCCAGGTTTTTATGCCATAAGTGACCCA GCCTCATCAGTGTCCAGCTCTCCATCGNCTCCTTTTGGTCACTCTGCTGCTGTAAGCCCT ACCTTCATGCCCCGTCCACTCAGCCTTTAACCTTTACCACTGCCACTTTTGTGCCACC AAGTTTCGGCTCTACAAAATGAAGAATAGTGGCCGTAGCACCAAGNTGCACGACTTCT CCCATCAAACCTCGTTNGAATGTGAATGACCTCTTGAAGCAAAAGCCATCTCTTCCAT GCACTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_005749 unedited CGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTAAATTTAAAGAATTTAATACAAAC TTAATATAAACTATTTTCAGTCCCTTAAACATGAAGACACTGACTCAAATACTTTTAT ACCGTTTTTTTCAAGTATTGCACAATATAGGTACAAAATTAATATTTACGATTACATTTT TCTTCCATAATATATAGCAAAAATCTTTAAACTTTTAAACAGAAAATACATTTTTTTGAAA AAGCAAGTATTCTGACATTTTAAATCCACCACTAAAGGAATATCCTGTACACAATTTTTA GAATAGTTGATGTCTTAAAGATGGATTTTTACAATTTAGTAAAAAAAATACAACATGA AGCTGCTGCTGTACAGATCACTGTAGTAAAAAGATATAAATGCAATACCATGTCGTAGA ACAATATATATATATCTCTGATATTTTACAACTTTGTACTAAATTAATTTATACAAT TAGAAAAGACCAATAAACCCACTTATTAGTGCCAAATTTTATAAAAAAAAATCAGCCATG TCCTTGCTATATCTTAAATACTGTAAGAGGCCATATCTGAGAGTACTTTAAAAATATAC AGTCAGTATAAAAATACTTTGTGCTTGGTTGGCAAATGAAAAATGATGCATGTTTTATTA TTATTTTTTTAACCAAGCTTGAATGTATCCTTACTATAAGCTTAAAAAAAATCTCA AGGAGGTGAAAAAAAATCCCCCTTTGGGCCGTGCANTTTAACTTGTACGAACATTTT CTTNTTTTAGTTAGCCATAACAGGCTGGAATTGCTGGTTAGAATACTGCATGGNTATTA AGCTAAANTTCAAGCCATCTACAAAAGATTTCTCATTGAGGCCTNNCATAGCTGCNACAC CATCAAGCATTACTGTAAGGAGACTGANGGTTAGGGGCCCTGCACCCTGGGACAAT NCATTGGNACTACCTACCTGACCCTGCTATTANGAAAANTAAAATTTTGGCATANGAGA AAGAGCCNAGTTTNTCTGCTGTTGTTGCTGGCGG</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_005749
Insert Size:	2020 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).

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).