

Product datasheet for **SC108448**

TOB2 (NM_016272) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TOB2 (NM_016272) Human Untagged Clone
Tag:	Tag Free
Symbol:	TOB2
Synonyms:	APRO5; TOB4; TOBL; TROB2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108448 sequence for NM_016272 edited (data generated by NextGen Sequencing)

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ATGCAGCTAGAGATCAAAGTGGCCCTGAACTTCATCATCTCCTACTTGTACAACAAGCTG
CCCCGGCCCGGGCAGACCTGTTTGGGGAGGAGCTAGAGCGGCTTTTGAAAAAGAAATAT
GAAGGCCACTGGTACCCTGAGAAGCCACTGAAAGGCTCTGGCTTCCGCTGTGTTACATT
GGGAGATGGTGGACCCCGTGGTGGAGCTGGCCGCAAGCGGAGTGGCCTGGCAGTGGAA
GATGTGCGGGCCAATGTGCCTGAGGAGCTGAGTGTCTGGATTGATCCCTTTGAGGTGTCC
TACCAGATTGGTGAAGGGAGCTGTGAAAGTGTGTACCTGGATGACAGTGAAGGTTGC
GGTGCCCCAGAGCTGGACAAGGAGATCAAGAGCAGCTTCAACCTGACGCCAGGTGTTCC
GTGCCATTGGCAGCCAGGACAGCTCCCTGTCCAACCTCCCATCGCCATCCTTTGGCCAG
TCACCCAGCCCTACCTTCATTCCCGCTCCGCTCAGCCATCACCTTCACCACCGCTCC
TTCGCTGCCACCAAATTTGGCTCCTAAGATGAAGAAGGGGGCGGGCAGCAAGTGGT
GGGGGTGTAGCCAGCAGTGGGGCGGGTGGCCAGCAGCCACCACAGCAGCTCGCATGGCC
CGCTCACCCACCAACAGCCTGTGAAGCACAAGAGCCTCTCTGTCTATGCATTCACTG
AACTTCATCACGGCCAACCCGGCCCTCAGTCCCAGCTCTCACCAATGCCAAGGAGTTC
GTGTACAACGGTGGTGGCTCACCCAGCCTCTTCTTTGATGCGGCCGATGGCCAGGGCAGC
GGCACCCAGGCCCGTTTGGAGGAGTGGGGCTGGCACCTGCAACAGCAGCAGCTTTGAC
ATGGCCCAGGTATTTGGAGGTGGTGCCAACAGCCTCTTCTGGAGAAGACACCCCTTTGTG
GAAGGCCTCAGCTACAACCTGAACACCATGCAGTATCCAGCCAGCAGTCCAGCCCGTG
GTGCTGGCCAACCTGA

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Clone variation with respect to NM_016272.3
234 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016272 unedited GGTGTCAAATTTGTATACGACTCATATAGGCGGCCGGAATTCGGCACGAGGGAGCGACC TCCGCCCGCGGGCCGGTAGAGCGCCCGCCGCGCGGAGACCCGAAGCCGCTGGAGCCC AAGGCTGTACACGTGCCCTGTGCTGATTCTCTGCCTAGGAAAGGACCATGCAGCTAGAGA TCAAAGTGGCCCTGAACCTCATCATCTCCTACTTGTACAACAAGCTGCCCCGGCGCCGGG CAGACCTGTTTGGGGAGGAGCTAGAGCGGCTTTTAAAAAAGAAATATGAAGGCCACTGGT ACCCTGAGAAGCCACTGAAAGGCTCTGGCTTCGCTGTGTTACATTGGGGAGATGGTGG ACCCCGTGGTGGAGCTGGCCGCCAAGCGGAGTGGCCTGGCAGTGAAGATGTGCGGGCCA ATGTGCCTGAGGAGCTGAGTGTCTGGATTGATCCCTTTGAGGTGTCTACCAGATTGGTG AGAAGGGAGCTGTGAAAGTGCTGTACCTGGATGACAGTGAGGGTTGCGGTGCCCCAGAGC TGGACAAGGAGATCAAGAGCAGCTTCAACCCTGACGCCCAGGTGTTGCGTCCCATGGCA GCCAGGACAGCTCCCTGTCCAACCCCCATCGCCATCCTTTGGCCAGTCACCCAGCCCTA CCTTCATTCGCCGCTCCGCTCAGCCATCACCTTACCACCGCTCCTTCGCTGCCACCA AATTTGGCTCCACTAAGATGAAGAAAGGGGGCGNGCAGCAAGTGGTGGGGGTAGCCA GCANGTGGGGCGGTGGCCAGCAGCCACCACAGCAGCCTCGCATGGGCCGCTCACCCACC AACAGCCTGCTNGAGCACAAGAGCCTCTCTGTCTATGCATTACTGAACCTNCATCAC GGCAACCCNGCCCTCAGNCCAGCTCTACCCATGC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016272 unedited TGGACCGCGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATGTATCAT GCTTTTAATACAAACCTAAAAAATCTGGAACAATAGAACTGTACAGATTTGATCAATC TTTTTGTGTGTGTAAAACTAAATCTCTAAACACACCAATGTCCCATCCAAAATATT GCACAACATTCTGAATACAAAACCTTGATTGTATTCTCCTTCACTAAAGAAAAAGTT CATGACCTGCTCCCGGCTCCTCTCCAGGCTTGCTCAATGCCCCCTCCCATCCCTA GGGAGAAAACTAGAGAATCTATAACTACTGCATTGAGAAAAAGACATATTCTGGACTA ACAGTTTCCATTCTCAGAAGATAATCCACCTTTTGATTTGTTCTGGGAAAGAGGGATA GATAGAGGATGGGAAAGGGGAGAAAAGTTTTATTTCTCCTTTTTTTTTTTAAAGTTT GTTTTCTGAAAAATATGTTTCTCTCATTTTTTAAGAAAAATCTTGAAAAGAAAAA AATTATGTTTTTACGTTAGAAATATACATATATTATATACCTCTTACATTTTACAAATG TAGCAAATTATTCAATACAAACGGACACCAAAAAATGAAAAAATAAAAAAAGTTTTCC TACGAAACCAGGTAATTAGTGCAGATTTCTGTTTTGTATTCTTAAAAAATAAAAAAATTG AAGCAAAAATGCCTAGATTTGAGACAAGACAGACTGAACCTAGGCCAAGAGCGCAGCAT GGAGTCATGCTCCTGAACCACATTTTTCTCGATTTTCAAAGAACANAGGGGNTGGTCT NCCCTCTCCTACTGTGAGAAACAGCCGACCCTGTGTGGTGGGTGCCTGGTGTNTTG ATGGNAAGAGGGCTAAAGGGGATTGTAAGCANCATCCACCTTTCCAGAGAGAGCTTCTGC TGGTCTGCTACTGTGTGGAGCGAGATGAGGAACAAAGTGGCCANATGGT</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_016272
Insert Size:	4000 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_016272.3](#), [NP_057356.1](#)

RefSeq Size: 4575 bp

RefSeq ORF: 1035 bp

Locus ID: 10766

UniProt ID: [Q14106](#)

Cytogenetics: 22q13.2

Domains: Anti_proliferat

Gene Summary: TOB2 belongs to the TOB (see TOB1; MIM 605523)/BTG1 (MIM 109580) family of antiproliferative proteins, which are involved in the regulation of cell cycle progression. [supplied by OMIM, Apr 2004]