

Product datasheet for **RC233432**

TOB (TOB1) (NM_001243885) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TOB (TOB1) (NM_001243885) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: TOB
Synonyms: APRO5; APRO6; PIG49; TOB; TROB; TROB1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233432 representing NM_001243885
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCATAAGTGACCCAGCCTCATCAGTGCCAGCTCTCCATCGCCTCCTTTGGTCACTCTGCTGCTG
TAAGCCCTACCTTCATGCCCGGTCCACTCAGCCTTTAACCTTTACCACTGCCACTTTTGTGCCACCAA
GTTCCGGCTCTACCAAAATGAAGAATAGTGGCCGTAGCAACAAGGTTGCACGTACTTCTCCATCAACCTC
GGCTTGAATGTGAATGACCTCTGAAGCAGAAAGCCATCTTTCCTCAATGCACTCTCTGTATGGGCTTG
GCTTGGGTAGCCAGCAGCAGCCACAGCAACAGCAGCAGCCAGCCAGCCGCCACCACCACCACCACC
ACAGCAGCAACAACAGCAGAAAACCTCTGCTCTTCTCCTAATGCCAAGGAATTTATTTTCCTAATATG
CAGGGTCAAGGTAGTAGTACCAATGGAATGTTCCAGGTGACAGCCCCCTAACCTCAGTCTCTCCAGT
ACAGTAATGCCTTTGATGTGTTTGCAGCCTATGGAGGCCTCAATGAGAAATCTTTTGTAGATGGCTTGA
TTTTAGCTAAATAACATGCAGTATTCTAACAGCAATTCAGCCTGTTATGGCTAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233432 representing NM_001243885
Red=Cloning site Green=Tags(s)

MPISDPASSVSSSPPPFGHSAAVSPTFMPRSTQPLTFTTATFAATKFGSTKMKNSGRSNKVARTSPINL
GLNVNDLLKQKAISSSMHSLYGLGLGSQQPQQQQPAQPPPPPPPPQQQQQKTSALSPNAKEFIFPNM
QGQGSSTNGMFPGDSPLNLSPLQYSNAFDVFAAYGGLNEKSFVDGLNFSLNMQYSNQFQPMAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001243885

ORF Size: 618 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001243885.2](#)

RefSeq Size: 2056 bp

RefSeq ORF: 621 bp

Locus ID: 10140

UniProt ID: [P50616](#)

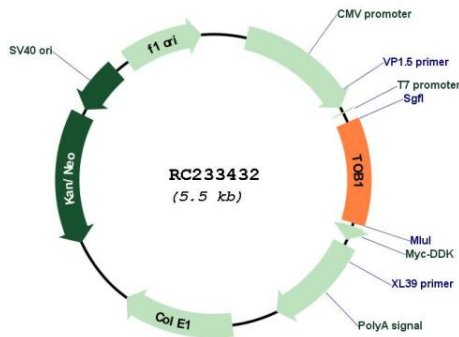
Cytogenetics: 17q21.33

Protein Families: Druggable Genome

MW: 22.5 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]

Product images:



Circular map for RC233432