

Product datasheet for **RG234003**

TBC1D16 (NM_001271845) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D16 (NM_001271845) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBC1D16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG234003 representing NM_001271845 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGAAGGTCGCCCCGATAAGACATGCATGCAGTTCTCCATCCGCCGCCCAAGCTGCCGTCTCCGAGA
CGCACCCCGAGGAGAGCATGTACAAGAGGCTCGGCGTCTCCGCCCTGGCTCAACCACCTGAATGAGCTGGG
CCAGGTGGAGGAGGAGTACAAGCTGCGGAAGGCCATTTTCTTTGGCGGTATTGATGTGTCAATCCGCGGG
GAGGTCTGGCCCTTCTGCTGCGCTATTACAGCCACGAGTCCAGTCCGAGGAGCGGGAGGCGCTGCGGC
TGCAGAAGCGAAAGGAGTACTCTGAGATCCAGCAGAAAAGGCTCTCCATGACTCCCGAGGAGCACAGAGC
GTTCTGGCGTAATGTGCAGTTCAGTGTGGACAAAGACGTGGTCCGGACAGATCGGAACAACCAAGTCTTTC
CGGGGGGAAGACAATCCAATGTGGAGAGCATGAGGAGGATCCTGCTGAACTACGCCGTGTACAACCCTG
CCGTCGGCTATTCCCAAGGGATGTCGGACCTGGTGGCGCCCATCTTGGCCGAGGTCCTGGATGAGTCAGA
CACCTTCTGGTGCTTTGTGGTTTGTGTCAGAACACGATCTTCGTCAGCTCACCCGGGACGAGGACATG
GAGAAACAAGTGTGTACCTGCGCGAGCTGCTGCGGCTGACGCACGTGCGCTTCTACCAGACCTGGTCT
CGCTGGGCGAGGACGGCCTGCAGATGCTCTTCTGCCACCGCTGGCTCCTTCTGTGCTTCAAGCGGGAGTT
CCCCGAGGCCGAAGCGCTGCGGATCTGGGAGGCTGCTGGGCCCACTACCAGACGGAAGTCTCCACCTT
TTCATCTGCGTGGCCATCGTGGCCATCTACGGGATGACGTATCGAGCAGCAGCTGGCCACGGACCAGA
TGCTCCTGCACCTTCGAAACCTGGCCATGCACATGAACGGGGAGCTCGTTCTCCGGAAGGCGAGGAGTTT
GCTGTACCAAGTTCGGCTCCTGCCCCGGATCCCCGTCAGCCTGCACGATCTGTGTAAGCTGTGCGGGTCA
GGCATGTGGGACAGCGGCTCCATGCCCGCGGTGGAGTGCACCGGCCACCATCCCGGCTCGGAGAGCTGTC
CCTACGGGGGCACGGTGGAGATGCCTTCCCCAAGTCCCTGAGGGAAGGCAAGAAGGGCCCAAGACGCC
GCAGGACGGCTTCGGCTTCCGCAGA

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA



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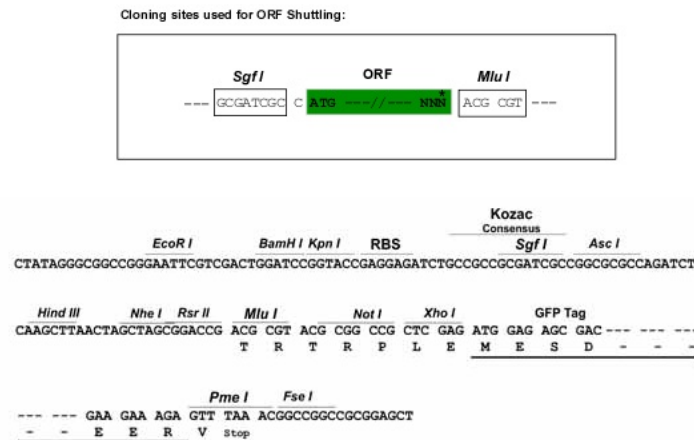
Protein Sequence: >RG234003 representing NM_001271845
Red=Cloning site Green=Tags(s)

MKVAPDKTCMQFSIRRPKLPSSETHPEESMYKRLGVSAWLNHLNELGVVEEYKLRKAIFFGGIDVSIRG
EVWPFLLRYYSHSTSEEREALRLQKRKEYSEIQKRLSMTPEEHRAFWRNQFTVDKDVVRTDRNNQFF
RGEDNPVNESMRILLNYAVYNPAVGYSQGMSDLVAPILAEVLDESDFWCFVGLMQNTIFVSSPRDEDM
EKQLLYLRELLRLTHVRFYQHLVSLGEDGLQMLFCHRWLLLCFKREFPEAEALRIWEACWAHYQTDYFHL
FICVAIVAIYGGDVIEQQLATDQMLLHFGNLAMHMGELVLRKARSLLYQFRLLPRIPCSLHDLCKLCGS
GMWDSGSMPAVECTGHHPGSESCPYGGTVEMPSPKSLREGKKGPKTPQDGFGRFR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271845

ORF Size: 1215 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_001271845.2](#)

RefSeq Size: 9840 bp

RefSeq ORF: 1218 bp

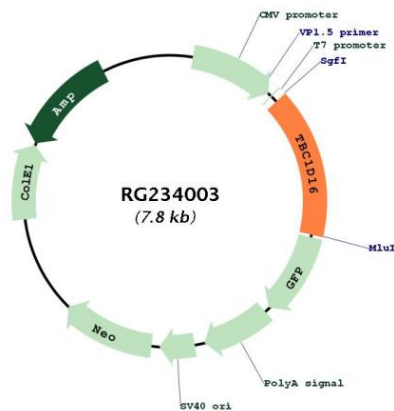
Locus ID: 125058

UniProt ID: [Q8TBP0](#)

Cytogenetics: 17q25.3

Gene Summary: May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234003