

Product datasheet for **RG233966**

TBC1D16 (NM_001271844) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D16 (NM_001271844) 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:	>RG233966 representing NM_001271844 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAAGCAGGTCGCCCCGATAAGACATGCATGCAGTTCTCCATCCGCCGCCCAAGCTGCCGTCTCCG
 AGACGCACCCCGAGGAGAGCATGTACAAGAGGCTCGGCGTCTCCGCCTGGCTCAACCACCTGAATGAGCT
 GGGCCAGGTGGAGGAGGAGTACAAGCTGCGGAAGGTCTGGCCCTTCTGCTGCGCTATTACAGCCACGAG
 TCCACGTCGGAGGAGCGGAGGCGCTGCGGCTGCAGAAGCGAAAGGAGTACTCTGAGATCCAGCAGAAAA
 GGCTCTCCATGACTCCCGAGGAGCACAGAGCGTTCTGGCGTAATGTGCAGTTCAGTGTGGACAAAGACGT
 GGTCGCGACAGATCGGAACAACCAAGTTCTTCCGGGGGGAAGACAATCCCAATGTGGAGAGCATGAGGAGG
 ATCCTGCTGAACACGCCGTGTACAACCTGCCGTGCGCTATTCCCAAGGATGTGCGACCTGGTGGCGC
 CCATCTTGGCCGAGGTCCTGGATGAGTCAGACACCTTCTGGTGCTTTGTGGGTTTGATGCAGAACACGAT
 CTTGTCAGCTCACCCGGGACGAGGACATGGAGAAACAAGTGTGTACCTGCGCGAGCTGCTGCGGCTG
 ACGCACGTGCGCTTCTACCAGCACCTGGTCTGCTGGGCGAGGACGGCCTGCAGATGCTCTTCTGCCACC
 GCTGGCTCCTTCTGTGCTTCAAGCGGGAGTTCCCGAGGCCGAAGCGCTGCGGATCTGGGAGGCCTGCTG
 GGCCCACTACCAGACGGAAGTCTCCACCTTTTCATCTGCGTGGCCATCGTGGCCATCTACGGGGATGAC
 GTCATCGAGCAGCAGCTGGCCACGACAGATGCTCCTGCACTTCGGAACCTGGCCATGCACATGAACG
 GGAGCTCGTTCTCCGGAAGGCGAGGAGTTTGCTGTACCAAGTTCGCGCTCCTGCCCGGATCCCCTGCAG
 CCTGCACGATCTGTGAAGCTGTGCGGGTCAGGCATGTGGGACAGCGGCTCCATGCCCGCGGTGGAGTGC
 ACCGGCCACCATCCCGGCTCGGAGAGCTGTCCCTACGGGGGACAGGTGGAGATGCCTTCCCCAAGTCCC
 TGAGGGAAGGCAAGAAGGGCCAAAGACGCCGACGAGCGCTTCGGCTTCCGCAGA

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA


[View online »](#)

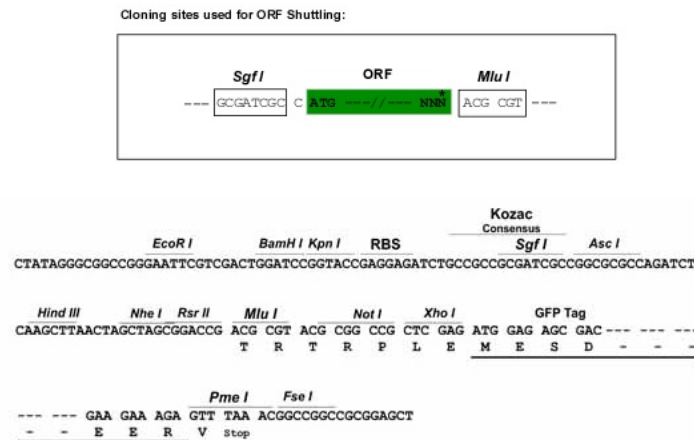
Protein Sequence: >RG233966 representing NM_001271844
 Red=Cloning site Green=Tags(s)

MKQVAPDKTCMQFSIRRPKLPSSETHPEESMYKRLGVSAWLNHLNELGQVEEYKLRKVWPFLRRYSHE
 STSEEREALRLQKRKEYSEIQKRLSMTPEEHRAFWRNQVFTVDKDVVRTDRNNQFFRGEDNPNVESMRR
 ILLNYAVYNPAVGYSQGMSDLVAPILAEVLDESDFWCFVGLMQNTIFVSSPRDEMEKQLLYLRELLRL
 THVRFYQHLVSLGEDGLQMLFCHRWLLLCFKREFPEAEALRIWEACWAHYQTDYFHLFICVAIVAIYGD
 VIEQQLATDQMLLHFGNLAMHMNGELVLRKARSLLYQFRLLPRIPCSLHDLCKLCGSGMWDGSGMPAVEC
 TGHHPGSESCPYGGTVEMPSPKSLREGKKGPKTPQDGFGRFR

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271844

ORF Size: 1176 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_001271844.2](#)

RefSeq Size: 9801 bp

RefSeq ORF: 1179 bp

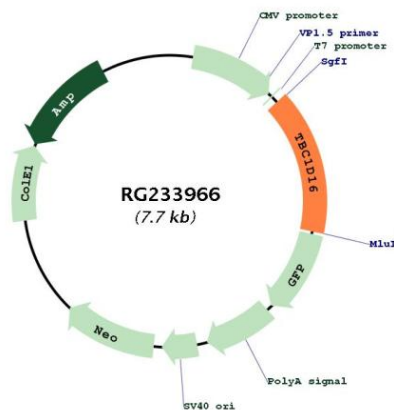
Locus ID: 125058

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 RG233966