

Product datasheet for **RG225941**

TBC1D3 (NM_001123391) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D3 (NM_001123391) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBC1D3
Synonyms:	PRC17; TBC1D3A; TBC1D3C; TBC1D3D; TBC1D3F; TBC1D3L
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG225941 representing NM_001123391
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACGTGGTAGAGGTCGCGGGCAGTTGGTGGGCACAAGAGCGAGAGGACATCATTATGAAATACGAAA
 AGGGACACCGAGCTGGGCTGCCAGAGGACAAGGGCCTAAGCCTTTTCGAAGCTACAACAACAACGTCGA
 TCATTTGGGGATTGTACATGAGACGGAGCTGCCTCCTCTGACTGCGCGGGAGCGAAGCAAAATTCGCGCG
 GAGATCAGCCGAAAGAGCAAGTGGTGGATATGCTGGGAGACTGGGAGAAATACAAAAGCAGCAGAAAGC
 TCATAGATCGAGCGTACAAGGGAATGCCATGAACATCCGGGGCCCGATGTGGTCAGTCTCCTGAACAT
 TGAGGAAATGAAGTTGAAAAACCCCGGAAGATACCAGATCATGAAGGAGAAGGGCAAGAGGTCATCTGAG
 CACATCCAGCGCATCGACCGGGACGTAAAGCGGGACATTAAGGAAGCATATATTCTTCAGGGATCGATACG
 GAACCAAGCAGCGGGAACACTCCACATCCTCCTGGCATATGAGGAGTACAACCCGGAGGTGGGCTACTG
 CAGGGACCTGAGCCACATCGCCGCTTGTCTCCTCTATCTTCTGAGGAGGATGCATTCTGGGCACTG
 GTGCAGCTGCTGGCCAGTGAGAGGCACTCCCTGCAGGGATTTACAGCCCAAATGGCGGGACCGTCCAGG
 GGCTCCAAGACCAACAGGAGCATGTGGTAGCCAGTCCACAACCCAAGACCATGGGGCATCAGGACAGAA
 AGATCTATGTGGGCACTGTTCCCGTTAGGCTGCCTCATCCGGATATTGATTGACGGGATCTCTCTCGGG
 CTCACCTGCGCCTGTGGGACGTGTATCTGGTAGAAGGCGAACAGGCGTTGATGCCGATAACAAGAATCG
 CCTTTAAGGTTACAGCAGAAGCGCCTCACGAAGACGTCCAGGTGTGGCCCGTGGGCACGTTTTTGCAACCG
 GTTCGTTGATACCTGGGCCAGGGATGAGGACACTGTGCTCAAGCATCTTAGGGCCTCTATGAAGAACTA
 ACAAGAAAGAAGGGGACCTGCCACCCCGACCAACCCGAGCAAGGGTCGTCCGATCCAGGCTGTGC
 CGGCTTACGTGGCGGGAAGACCTCTGCAAGGGGGACAGGACGGCCCTCCAGGCCACACAGCCCGTT
 CCGCGCGCCCATTTGGTCAGCTTCCCGCCACGGGACCTCGTTCTTCCACACCTGTCTCTGGTGGGCT
 GTCGGGAAGACACCTACCCTGTGGCACTCAGGGTGTGCCAGCCCGCCCTGGCTCAGGAGGACCTC
 AGGGTCTCTGGAGATTCTGCAGTGGAACCTCATGCCCGCCTCCAACGGACCTGGACGTAGAGGGCCC
 TTGGTCCGCCATTATGATTTACAGACAGAGCTGCTGGTCCGTGCCATATCCAGGAGGACCAGCTGGCC
 CCCTGCTGGCAGGCTGAACACCTGCGGAGCGGTGAGATCGGCTTTGCTGCACCCAGCACTGATTCCG
 ACCAGGGCACCCCTTACAGACTAGGGACGAACAGCAGTGTGCTCCACCTCAGGGCCTTGCTCTGCGG
 CCTCCACTTGAAAGTTCTCAGTCCCTCCAGGCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG225941 representing NM_001123391
 Red=Cloning site Green=Tags(s)

MDVVEVAGSWSWAQEREDIIMKYEKGHRAGLPEDKGPKPFRSYNNNVNDHLGIVHETELPPLTAREAKQIRR
 EISRKSKWVDM LGDWEKYKSSRKLIDRAYKGMPMNIIRGPMWSVLLNIEEMKLNKPNRYQIMKEKGRSSE
 HIQRIDRDVSGTLRKHIFFRDRYGTKQRELLHILLAYEENPEVGYCRDLSHIAALFLLYLPEEDAFWAL
 VQLLASERHSLQGFHSPNGGTVQGLQDQQEHVAVTSQPKTMGHQDKDLGQCSPLGCLIRILIDGISLGL
 LTLRLWDVYLVGEQALMPITRIAFKVQKRLTKTSRCGPWARFCNRFVDTWARDEDTVLKHLRASMKKL
 TRKKGDLPPPAPKPEQGSSASRPVPASRGGKTLCKGDRQAPPAPPARFPRPIWSASPPRAPSSTPCPGGA
 VREDTYPVGTQGVSPALAQGGPQGSWRFQWNSMPRLPTDL DVEGPWFRHYDFRQSCWVRAISQEDQLA
 PCWQAEHPAERVRSFAAAPSTDSQGTFFRAREQQCAPTSGPCLCGLHLESSQFPFPG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001123391
ORF Size:	1647 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:	<ol style="list-style-type: none">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_001123391.1 , NP_001116863.1
RefSeq Size:	2305 bp
RefSeq ORF:	1650 bp
Locus ID:	729873
UniProt ID:	Q8IZP1
Cytogenetics:	17q12
Gene Summary:	Acts as a GTPase activating protein for RAB5. Does not act on RAB4 or RAB11. [UniProtKB/Swiss-Prot Function]