

Product datasheet for **RG234326**

TBC1D10A (NM_001204240) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D10A (NM_001204240) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TBC1D10A
Synonyms:	dj130H16.1; dj130H16.2; EPI64; TBC1D10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234326 representing NM_001204240
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGAGCAACGGAGAGAATGGGCGCGCGCCCCGCGCCGGGAAAGCCTGTCGGGAACCCGGG
 AGAGCCTGGCCAGGGCCCCGACGCCGCAACCACCGACGAACCTCAGCTCTCTCGGGTCTGACTCGGAGGC
 CAACGGCTTCGCCGAGCGCCGCATCGACAAGTTCGGCTTCATCGTGGGCTCGCAGGGCGCCGAGGGCGCG
 CCCTGCCCTCTGCTCCACAGGCTGGAGGAAGTACCCTGGAGGTGCTGAGGCAGAGGGAGTCCAAGTGCC
 TGGACATGCTCAACAACCTGGGACAAATGGATGGCCAAGAAGCAGAAAAAGATTCTGCTGCGGTGCCAAA
 GGGCATCCCGCCTTCTGCGGGGCCGTGCTTGGCAGTACCTGTCAGGAGGCAAGGTGAAGTTACAGCAG
 AACCTGGAAAGTTTACGAGCTGGACATGTCCCTGGGACCCCAAGTGGCTGGACGTGATTGAGCGTG
 ACCTGCACCGGCAGTTCCATTCCATGAGATGTTTGTGTCGGGGGGGCCACGGCCAGCAGGACCTATT
 CCGTGTGCTGAAGGCCTACACGCTGTACCGGCCGAGGAGGGCTACTGCCAGGCCAGGCGCCATTGCC
 GCTGTCTTGCTCATGCATATGCCTGCTGAGCAAGCCTTCTGGTGCCTGGTACAGATCTGTGAGAAGTACC
 TGCCCGGCTACTACAGCGAGAACTGGAGGCGATCCAGCTGGACGGGAGATCCTTTTCTCGCTGTTGCA
 GAAGGTGTCGCCGGTGGCCACAAAGCACCTCAGCCGTCAGAAGATCGACCCGCTCCTCTATATGACAGAA
 TGGTTCATGTGCGCCTTCTCCGAACCTTGCCCTGGAGCTCTGTGCTGCTGTGCTGGGACATGTTCTTCT
 GTGAAGGGGTCAAGATCATCTTCCGGGTGGGGCTGGTGTGCTGAAGCACGCGCTGGGCTCCCCTGAGAA
 GGTCAAAGCCTGCCAGGGCCAGTACGAGACCATCGAGCGACTGCGGAGCCTCAGCCCCAAGATCATGCAG
 GAGGCCCTTCTGGTCCAGGAGGTGGTGGAGTTGCCCGTGACAGAGCGCCAGATTGAGCGCGAACACCTCA
 TTCAGTGCAGCGCTGGCAGGAGACCCGGGGTGAGCTGCAGTGCCGCTCCCCGCCAGGCTGCATGGTGC
 CAAGGCTATCTTGGATGCAGAACCTGGTCCCGGCCCTGCCCTACAACCTTACCATCCATCCGCGCTGCC
 CTAGATGCCCCCTCCCTGGCTCCAAAGCCAAGCCCAAGCCACCAAGCAGGCCAGAGGAGCAGCGGA
 AACAGATGAAGGGGAGAGGGCAGCTGGAGAAGCCCCAGCCCCAATCAAGCCATGGTGGTGGCCGCTGC
 AGGAGATGCATGTCCCCACAGCATGTGCCCCGAAGGACTCAGCCCCAAGGACTCAGCCCCCTCAGGAT
 TTGGCTCCCCAGGTCTCAGCCCACCACCGCTCCAGGAGAGCTTGACGTCCCAAGAGAGTGAGGACACCT
 ACTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234326 representing NM_001204240
 Red=Cloning site Green=Tags(s)

MAKSNGENGPRAAAGESLSGTRESLAQGPDAATTDELSSLGSDSEANGFAERRIDKFGFIVGSQGAEGA
 PCPLLHRLLEEVLRLQRESKWLDMNNWDKWMKKHKKIRLRQKGIPPSLRGRAYQLSGGKVKLQQ
 NPGKFDELDMSPGDPKWLVDIERDLHRQFPFHEMFVSRGGHGQQDLFRVLKAYTLRPEEGYCQAQPIA
 AVLLMHMPAEQAFWCLVQICEKYLPYYSEKLEAIQLDGEILFSLQKVPVAHKHLSRQKIDPLLYMTE
 WFMCAFSRTLPSVSLRVWDMFFCEGVKIIIFRVGLVLLKHALGSPEKVKACQGQYETIERLSLSPKIMQ
 EAFVLVQEVVELPVTERQIEREHLIQLRRWQETRGELQCRSPRLHGAKAILDAEPGPRPALQPSPIRLP
 LDAPLPKSKAKPKPKQAQKEQRKQMKGRGQLEKPPAPNQAMVAAAGDACPPQHVPKDSAPKDSAPQD
 LAPQVSAHHSQESLTSQESDLYL

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001204240

ORF Size: 1545 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_001204240.2](#)

RefSeq Size: 2038 bp

RefSeq ORF: 1548 bp

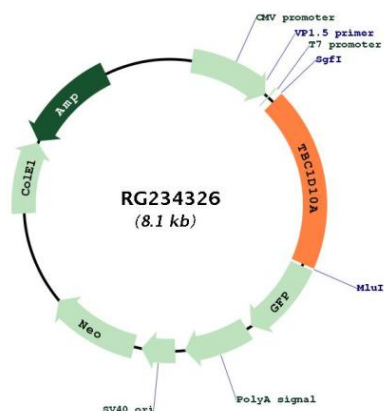
Locus ID: 83874

UniProt ID: [Q9BXI6](#)

Cytogenetics: 22q12.2

Gene Summary: Acts as GTPase-activating protein for RAB27A, but not for RAB2A, RAB3A, nor RAB4A.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG234326