

Product datasheet for **SC305370**

TBC1D10A (NM_031937) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D10A (NM_031937) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D10A
Synonyms:	dj130H16.1; dj130H16.2; EPI64; TBC1D10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC305370 representing NM_031937.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGAAGAGCAACGGAGAGAATGGGCCGCGCGCCCGCGGCCGGGAAAGCCTGTGGGAACCCGG
GAGAGCCTGGCCAGGGCCCCGACGCCGCAACACCGACGAACCTCAGCTCTCTCGGGTCTGACTCGGAG
GCCAACGGCTTCGCCGAGCGCCGATCGACAAGTTCGGCTTCATCGTGGGCTCGCAGGGCGCCGAGGGC
GCGCTGGAGGAAGTACCCTGGAGGTGCTGAGGCAGAGGAGTCCAAGTGGCTGGACATGCTCAACAAC
TGGGACAAATGGATGGCCAAGAAGCACAAAAAGATTCTGCTCGGGTGC AAAAGGCATCCCGCCTTCT
CTGCGGGGCCGTGCTTGGCAGTACCTGTGAGGAGCAAGGTGAAGTTACAGCAGAACCTGGAAAGTTT
GACGAGCTGGACATGTCCCTGGGACCCCAAGTGGCTGGACGTATTGAGCGTGACCTGCACCGGCAG
TTCCCATTCATGAGATGTTGTGTCGGGGGGGCCACGGCCAGCAGGACCTATTCCGTGTGCTGAAG
GCCTACACGCTGTACCGCCCGAGGAGGGCTACTGCCAGGCCAGCGCCCATTCGCCGTGTCTTGCTC
ATGCATATGCCTGCTGAGCAAGCCTTCTGGTGCCTGGTACAGATCTGTGAGAAGTACCTGCCCGGTAC
TACAGCGAGAACTGGAGGCGATCCAGCTGGACGGGAGATCCTTTCTCGCTGTTGCAGAAGGTGTG
CCGGTGGCCCAAGCACCTCAGCCGTGAGAAGATCGACCCGCTCCTCTATATGACAGAATGGTTCATG
TGCGCCTTCTCCGAACCTTGCCCTGGAGCTCTGTGCTGCGTGTCTGGACATGTTCTTCTGTGAAGGG
GTCAAGATCATCTTCGGGTGGGCTGGTGTGCTGAAGCACGCGCTGGGCTCCCTGAGAAGGTCAAA
GCCTGCCAGGGCCAGTACGAGACCATCGAGCGACTGCGGAGCCTCAGCCCCAAGATCATGACGAGGGCC
TTTCTGGTCCAGGAGTGGTGGAGTTGCCGTGACAGAGCGCCAGATTGAGCGCAACACCTCATTAG
CTGCGGCGCTGGCAGGAGACCCGGGTGAGCTGCAGTCCGCTCCCGCCAGGCTGCATGGTGCCAAG
GCTATCTTGGATGCAGAACCTGGTCCCGGCTGCCCTACAACCTTACCATCCATCCGCTGCCCTA
GATGCCCCCTCCCTGGCTCCAAAGCCAAAGCCACCCAAAGCAGGCCAGAGGAGCAGCGGAAA
CAGATGAAGGGGAGAGGGCAGCTGGAGAAGCCCCAGCCCCAAATCAAGCCATGGTGGTGGCCGCTGCA
GGAGATGCATGTCCCCACAGCATGTGCCCCGAAGGACTCAGCCCCAAGGACTCAGCCCTCAGGAT
TTGGCTCCCCAGGTCTCAGCCACCACCGCTCCAGGAGAGCTTGACGTCCAAGAGAGTGAGGACAC
TACTTGTA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_031937

Insert Size: 1527 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA

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_031937.1](#)

RefSeq Size: 2017 bp

RefSeq ORF: 1527 bp

Locus ID: 83874

UniProt ID: [Q9BXI6](#)

Cytogenetics: 22q12.2

MW: 57.1 kDa

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

Transcript Variant: This variant (2) used an alternate in-frame splice site in the 5_ coding region, compared to variant 1. The encoded protein (isoform 2) is shorter, compared to isoform 1.