

Product datasheet for **SC318292**

TBC1D10B (NM_015527) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TBC1D10B
Synonyms:	EPI64B; FP2461
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_015527, the custom clone sequence may differ by one or more nucleotides
 ATGGAGACGGGACGGCGCCCTGGTGGCCCCGCGCGCCGTCATGGCGCCCCGCGGCC
 CCTCGCCGCGCCCGGGGTTCCCGGGCCGGGCCCCGTCGTGGTGGTGGCTCCGGGACCT
 CCAGTGAACACGGCCACTTCGGCCCCGTACCCCTGGTGGCCCCGGGAGGCGCGGCC
 GCCTGGTCCCGGGTGGGCCGAGACCTCTGCTCCGGCCCCGGCCAGCCCCGGCCCCA
 GCCCCGGTGTACGGGACGACGGTGGTGGTGTGACCTGGAGGCTCGCCGAAGCC
 CCAAGCCGACGTCCTCCCGCCGGAATCCCAGAGCCGCGGAGTGGCTGGAGTT
 GAGACATCGAGGGCTCTGGCCGAGGGGACAGCTCGCCGAAGACAGAGGAGGCTCGACCC
 TCACCCGCCCCAGGACAGGACCCCCACCGGGACCCCTACCAGGACCCCTCCAGAAGC
 GCTCCTGGTGGCTGACCGCCAAACCCCGCTTGCCCCAAGCCGGGAACACAGTGGCC
 TCAGGAGTGACTGCACGGAGTGCATCAGGACAAGTGACAGGTGGGATGGAGCTGCCGA
 GCAACATCAGCATCAGCAGGACAGGCTCCTGAGGACCCCTCAGGCCCTGGCACAGGCCCC
 TCTGGGACTGTGAGGCTCCGGTAGCTGTCTGACCGTACCCAGCTCCGGAGCTGCT
 GAAACTCTAAGACCTGGGTCCACGTCCAGCCTGGGACCTGGCATCTCTGGGCTCGA
 GGGCAGGCCCGGACACGCTGAGTTACTTGAGTCCGTGAGCTCATGTCTGGGACCTTG
 GAGTCCTTGGCGGATGATGTGAGCTCCATGGGCTCAGATTCAGAGATAAACGGGCTGGCC
 CTGCGCAAGACGGACAAGTATGGCTTCCTTGGGGGAGCCAGTACTCGGGCAGCCTAGAG
 AGCTCCATTCCCGTGGACGTGGCTCGGCAGCGGAGCTCAATGGCTGGACATGTTAGT
 AACTGGGATAAGTGGCTGTACGGCGATTCCAGAAGGTGAAGTGCCTGCCGGAAGGGG
 ATCCCCCTCTCTCAGAGCCAAAGCCTGGCAGTACCTGTCTAATAGCAAGGAATTCTG
 GAGCAGAACCAGGAAAGTTTGGAGGCTGGAACGGGCTCCTGGGACCCCAAGTGGCTG
 GATGTGATTGAGAAGGACCTGCACCGCCAGTTCCTTTCCACGAGATGTTGCTCGA
 GGGGGGCATGGGCAACAGGACCTGTACCGAATCCTGAAGGCTACACCATCTACCGGCT
 GACGAGGGTACTGCCAGGCCAGGCCCCGTGGCTGCGGTCTGCTCATGCACATGCCT
 GCGGAGCAAGCCTTTTGGTGCCTGGTGCAGATCTGCGACAAGTACCTCCAGGTTACTAC
 AGTGCAGGGCTGGAGGCCATTACGTGGACGGGAGATCTTTTTTGCACCTCGCCCGG
 GCCTCCCCGCTGGCGCATCGCCACCTGCGGCGGAGCGCATTGACCTGTGCTCTACATG
 ACGGAGTGGTTATGTGCATCTTCGCCCCACCCCTGCCCTGGGCGTCGGTGTGCTGCTGTC
 TGGGACATGTTTTCTGTGAAGGCGTTAAGATCATCTCCGGGTGGCCCTGGTCTGCTG
 CGCCACACGCTGGGCTCAGTGGAGAAGCTGCGCTCCTGCCAAGGCATGTATGAGACCATG
 GAGCAGCTGCGTAACCTGCCCGAGCAGTGCATGCAGGAAGACTTCCTGGTGCATGAGGTG
 ACCAATCTGCCGTGACAGAAGCACTGATTGAGCGGGAAGTGCAGCCAGCTCAAGAAG
 TGGCGGGAACGCGGGGGAGCTGCAGTATCGGCCCTACGGCGACTGCATGGTCCCGG
 GCCATCCACGAGGAGCGCCGGCGCAACAGCCACCCCTGGGCCCCCTCTCCAGCCTCCTC
 AGCCTCCCTGGCCTCAAGAGCCGAGGCTCCCGGCGAGCTGGAGGGGCCCGTCCCGCGG
 CCCCCGTCGCGAGAGCAGTGTGGGCTGCCCGAGGCTGTGGTCACTGCTGAGGGA
 CTGCATCCATCCCTTCCCTACCCACTGGCAATAGCACCCCTTGGGTTCCAGCAAGGAG
 ACCCGGAAGCAGGAGAAGGAGCGGCAGAACAGGAGAAGGAGCGGAGAACAGGAGAAG
 GAGCGGGAAGGAGCGGAGAGCAGGAGAAAGAGCGAGAGAAGCAGGAAAAGGAGCGA
 GAGAAGCAGGAGAAGGAGCGGAGAGCAGGAGAAGAAGGCTCAAGGCCGAAGCTTTCG
 CTGCGTCGAAAGGCAGATGGGCCCCCAGGCCCCATGATGGTGGGACAGGCCCTCAGCC
 GAGGCCCGGAGGACGCTTACTTC

Restriction Sites: Please inquire

ACCN: NM_015527

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_015527.3, NP_056342.3</u>
RefSeq Size:	3326 bp
RefSeq ORF:	2427 bp
Locus ID:	26000
UniProt ID:	<u>Q4KMP7</u>
Cytogenetics:	16p11.2
Domains:	TBC
Gene Summary:	Small G proteins of the RAB family (see MIM 179508) function in intracellular vesicle trafficking by switching from the GTP-bound state to the GDP-bound state with the assistance of guanine nucleotide exchange factors (GEFs; see MIM 609700) and GTPase-activating proteins (GAPs). TBC1D10B functions as a GAP for several proteins of the Rab family (Ishibashi et al., 2009 [PubMed 19077034]).[supplied by OMIM, Nov 2010]