

Product datasheet for **SC112068**

TBC1D17 (NM_024682) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D17 (NM_024682) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_024682, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGGAGCCGGCTACAGGGTGGTGTGGTGGAGAAGGGCGGAGTGTACCTGCACACCAGCGCTAAGAAGT
ATCAGGACCAGACTCTCTCATCGCTGGTGTATCCGTGTCGTGGAAAAGGACAATGACGTCTCCTGCA
CTGGGCTCCTGTAGAGGAGGCTGGAGATCCACCCAAATCCTCTTCTCCAAGAAGGACTCCAGTGGGGGT
GACTCATGTGCTTCTGAGGAGGAACCAACCTTTGACCCCGCTATGAACCTGACTGGGCTGTCATCAGCA
CTGTGCGGCCACAGCTCTGCCACTCAGAGCCACGAGAGGTGCAGAGCCAGCTGCCCCAGGGCTCCTG
GGCCTTCTCAGTGAGTCTGGGGAGCTAAAGTCCATCCGCGCTCCAAGCCAGGCCTCAGCTGGGCTAC
CTGTTTCTGGTGACCCAGGCTGGAGTTCCCTGCCGCACTGCACTTCCACCCGGGGGCACCCGCGCC
TGCTCCGCGTCTCAGCCGCTACCTGCTTGGCCAGCTCCCGCAGGACTCCCGCTCTACCTGTCTT
CCCCACGACTCTCTGCTCTCCAACCTTCCACCACCTGCAGCTCTTTGACCAGGACAGCTCCAAT
GTGGTGCACGCTTCTCCAGGATCCCTACTCCACCACCTTCCAGAGCTTCTCCGAGTGACCAACTTCT
TCCGGGTGCCCTGCAGCCACAGCTGAGGGAGCCGCTCCGACCTTCCCGGCCACCCGACGATGAGCC
CGAGCCTGGATTCGAGGTCATTTCTGTGTGGAGCTGGGGCTCGGCCAACCGTGGAGCGGGGCCCTCCA
GTTACAGAGGAGGAGTGGGCACGCCACGTGGGCCCTGAAGGTCGCTGCAGCAGGTCCTGAGCTGAAGA
ACCGGATCTTCTCGGGGGTCTGAGCCCCAGCTGCGGCGCAGGCTGGAAGTTCTCCTAGGGTACCT
CAGCTGGGAAGGCACAGCTGAGGAGCACAAGGCCACATACGCAAGAAAACGGATGAGTATTTCCGCATG
AAGCTGCAGTGGAAATCTGTGAGCCCTGAGCAGGAGCGGAGAACTCACTTCTGCATGGATACCCGAGCC
TCATCGAAAGGGATGTGAGCCGCACTGACAGGACCAACAAGTTCTACGAGGTCGCGAGAACCCGGGGT
GGGCTGCTGAACGATACCTCCTCACCTACTGCATGTATCACTTCGACCTCGGCTACGTCACAGGCATG
AGTGATTTCTCTCCCCGATCTCTACTGTCATTGAGAACGAGGTGGATGCTTTCTGGTGTCTGTGGCT
TCATGGAGCTCGTGAAGGGAACCTTGAAGAGAGCCAGGAGACCATGAAGCGGCAACTCGGGCAGCTGCT
GCTGCTCTGAGGGTGTGGACCCCTGCTCTGCGACTTCTGGATTCCAGGACTCCGGCTCTCTCTGC
TTCTGTTCCGGTGGTCTCATCTGGTTCAAGAGGGAATTTCCCTTCCCGGATGTCTTCCGGCTGTGGG
AGGTGCTGTGGACAGGGCTCCCTGGCCCAATCTGCACCTGCTGGTGGCTGCGCCATCTGGACATGGA
GAGGGACACCCTCATGCTGTCCGGCTTCGGCTCCAATGAGATCTCAAGCACATCAACGAGCTGACTATG
AAGCTGAGCGTGGAGGACGTGCTGACCCGCGCGAGGCCCTGCACCGCCAGCTAACCGCTGCCCGAGC
TGCCCCACAACGTGCAGGAGATCTGGGCTGGCCCCGCCGAGAGCCACAGCCCTCGCCACCGC
CTCCCCGCTGCTCTGTGCCCCACCCGGGCCCGCCACCCCGCCGCTCCACGGACACAGCCCGCAG
CCCACAGCAGCCTGGAGATCTGCCCGAGGAGGACGAGGGCGCCGACTCTATA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024682 unedited

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GGACATTTGTTAATACGACTTCACTATAGGNGCGCCCGCTGGNATAACCCCTTCTGA
AAATGGTTTACCCGCTCCTTCTCTAGAACGGTTCGGCCGCTACCACTGTCCGGCCGG
AGGGAACTGTTTTCTCCGGAAGTGACAACACGCTGACTAGGAAAAGGAGGAGCGGGG
AGTGGGCTTCCGCGGCGACTATGGAAGGAGCCGCTACAGGGTGGTGTGAGAAAGG
CGGAGTGTACCTGCACACCAGCGCTAAGAAGTATCAGGACCAGACTCTCTCATCGCTGG
TGTATCCGTGTCGTGGAAGGACAATGACGTCTCCTGCACTGGGCTCCTGTAGAGGA
GGCTGGAGATCCACCCAAATCCTTCTCCAAGAAGGACTCCAGTGGGGTGTACTCATG
TGCTTCTGAGGAGGAACCAACCTTTGACCCCGCTATGAACCTGACTGGGCTGTATCAG
CACTGTGCGGCCACAGCTCTGCCACTCAGAGCCACGAGAGGTGCAGAGCCAGCTGCC
CCAGGGCTCCTGGGCTTCTCAGTGAGTCTGGGGAGCTAAAGTCCATCCGCGCTCCAA
GCCAGGCTCAGCTGGGCTACCTGGTCTGGTGAACAGGCTGGAGTTCCTGCCCGC
ACTGCATTTCCACCGGGGGCACCCGCGCTGCTCCGCTCCTCAGCCGCTACCTGCT
GTTGGCCAGCTCCCCGANGACTCCCGCTACCTTGTCTTCCCCACGACTCCTCTGC
TCTCTCACTCCTTCCACCACCTGCAGCTTTGACCAGNACAGCTCCAATGTGGTGTCA
CGCTTCTCCAGGATCCCTACTNACCACCTTCCAGAGCTTCTCCGAGTGACCAACTTT
CTTNGGGGTGCCCTGCAGCCAGCCTGAGGGACCCGCTCGAACTTCCNCGCCACCCGA
GATTACCCGAGCCTGGATCNAAGTCAATTTCTGTGTGGACTGGGCTCGCCAC
    
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Restriction Sites:	NotI-NotI
ACCN:	NM_024682
Insert Size:	2250 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).
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_024682.1 , NP_078958.1
RefSeq Size:	2390 bp
RefSeq ORF:	1947 bp
Locus ID:	79735
UniProt ID:	Q9HA65
Cytogenetics:	19q13.33
Domains:	TBC
Gene Summary:	<p>Probable GTPase-activating protein for Rab8; its transient association with Rab8 is mediated by OPTN. Inhibits Rab8-mediated endocytic trafficking, such as of transferrin receptor (TfR) and reduces Rab8 recruitment to tubules emanating from the endocytic recycling compartment (ERC). Involved in regulation of autophagy. Mediates inhibition of autophagy caused by the OPTN variant GLC1E LYS-50; the function requires its catalytic activity, however, the involved Rab is not known.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>