

Product datasheet for **SC328990**

TBC1D17 (NM_001168222) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	TBC1D17
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>SC328990 representing NM_001168222.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAAATTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAAGGAGCCGGCTACAGGACAATGACGTCCTCCTGCACTGGGCTCCTGTAGAGGAGGCTGGAGAT
TCCACCCAAATCCTCTTCTCCAAGAAGGACTCCAGTGGGGTGACTCATGTGCTTCTGAGGAGGAACCA
ACCTTTGACCCCGCTATGAACCTGACTGGGCTGTCATCAGCACTGTGCGGCCACAGCTCTGCCACTCA
GAGCCACGAGAGGTGCAGAGCCAGCTGCCCCAGGGCTCCTGGGCTTCTCAGTGAGTCTGGGGGAG
CTAAAGTCCATCCGCCGCTCCAAGCCAGGCTCAGTGGGCTACCTGGTTCTGGTGACCCAGGCTGGA
GGTTCCTGCGCCGACTGCACTTCCACCGGGGGGACCCGCGCTGCTCCGCGTCTCAGCCGCTAC
CTGCTGTTGGCCAGCTCCCGCAGGACTCCGCGCTCTACCTTGCTTCCCCACGACTCCTCTGCTCTC
TCCAATCCTTCCACCCTGCACTCTTGGACAGGACAGCTCCAATGTGGTGTACGCTTCTCCAG
GATCCCTACTCCACCCTTCACTGCTTCTCCGAGTGACCACTTCTCCGGGTGCCCTGCAGCCA
CAGCCTGAGGGAGCCGCTCCGACCTTCCCCGCCACCCGACGATGAGCCGAGCTGGATTGAGGTC
ATTTCTGTGTGGAGCTGGGGCTCGGCCAACCCTGGAGCGGGCCCTCCAGTTACAGAGGAGGAGTGG
GCACGCCACGTGGGCCCTGAAGGTCGCTGCACTGAGTCCCTGAGTGAAGAACCGGATCTTCTCGGG
GGTCTGAGCCCCAGCTGCGGCGGAGGCTGGAAGTCTCTAGGTTACCTCAGCTGGGAAGGCACA
GCTGAGGAGCACAAGGCCACATACGCAAGAAACGGATGAGTATTTCCGATGAAGCTGCAGTGGAAA
TCTGTGAGCCCTGAGCAGGAGCGGAGAACTCACTTCTGCATGGATACCGCAGCTCATCGAAAGGGAT
GTGAGCCGCACTGACAGGACCAACAAGTTCTACGAGGGTCCGAGAACCCGGGGCTGGGCTGCTGAAC
GATATCCTCCTCACCTACTGATGATCACTTCACTCGGCTACGTCAGGGCATGAGTATCTTCTC
TCCCCGATCCTTACGTCATTGAGACGAGGTGGATGCTTTCTGGTGTCTGTGGCTTCTGAGGCTC
GTGCAAGGGAATTTGAAGAGAGCCAGGAGACCATGAAGCGCAACTCGGGCGACTGCTGCTGCTCCTG
AGGGTCTGGACCCCTGCTCTGCGACTTCTGGATTCCAGGACTCCGGCTCTCTGCTTCTGTTTC
CGGTGGCTGCTCATCTGGTTCAAGAGGGAATCCCTTCCCGGATGCTCTTGGCTGTGGGAGGTGCTG
TGGACAGGGCTCCCTGGCCCAATCTGCACCTGCTGGTGGCTGCGCCATCCTGGACATGGAGAGGGAC
ACCTCATGCTGTCCGGCTTCCGCTCCAATGAGATCCTCAAGCACATCAACGAGCTGACTATGAAGCTG
AGCGTGGAGGAGTGTGACCCGCGCCGAGGCTGCAACCGCAGTAACCGCTGCCCCGAGCTGCCC
CACAACGTGCAGGAGATCCTGGGGCTGGCCCCGCGCAGAGCCCCACAGCCCTCGCCACCGCTCC
CCGCTGCTCTGTGCGCCACCGGGCCCCGCCACCCGCGCCCTCCAGGACACAGCCCCGACGCC
GACAGCAGCTGGAGATCCTGCCCAGGAGGAGGACGAGGGCGCCGACTCTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_001168222

Insert Size:

1848 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001168222.1</u>
RefSeq Size:	2299 bp
RefSeq ORF:	1848 bp
Locus ID:	79735
UniProt ID:	<u>Q9HA65</u>
Cytogenetics:	19q13.33
MW:	69 kDa
Gene Summary:	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] Transcript Variant: This variant (2) lacks an in-frame exon in the coding region, compared to variant 1. The encoded isoform (2) is shorter, compared to 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.