

Product datasheet for **SC324176**

TBC1D16 (NM_019020) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D16 (NM_019020) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_019020.2

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GACGGTGGCGGCTCTCGGAGCCGGCGCAATCCGGCCCCGACGGGGACCCGGGCAGGT
CTTGACGAGCCCTGCCCGGGCCGACGCATGCGGAGGATGGAACACTTGCCCGGCAATGT
CTCTGGGCCCGCTCCTTCGCAGGGCCTCCTCAAAGCCTCGGACCTCCTGACCCTCACCC
CCGGTGGCAGCGCAGCGGGTCCCCCTCTGTCCTGGATGGAGAGATCATCTACTCCAAGA
ACAATGTCTGCGTGCACCCGCCGGAGGGGCTGCAGGGGCTGGGGGAGCACCCAGGTT
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TCCCAACTCTCGCATCCAGAGGCGAGGACGAGGAGGCCCTGCGCTACATCACCCGAGA
GCTCCCCGTTTCGAAGGCACCCCGCCCTCGGGGCCGGCGCACCCGGAGCTCAGGAGCCT
CCCACAGCCCTCCCGACGGAGCTGCGGCCTACCCTGACCCCAAGATGAGGACATCC
TGGTGGTGGCCAGAGTGTCCAGACCCGATGCTCGCCAGCCCTGCGCCAGAGGATGAGG
AGAAGCTGGCGCAGGGCTTGGGGTGGATGGTGGCCAGCCAGCCTCGCAGCCTGCTTGCA
GCCCTCCGGATCTTGTGACGGTCACTCCGAGGATGTCACCGAGGAGGGGCGGGAGC
CGCGGCCCGAGGCCGGGAGGAGGATGGCTCTTTGAACTGTCAGCCGAGGGCGTGAGCA
GAGACAGCTCCTTTGACTCAGACTCAGACACCTTCTCCTCGCCCTTCTGCCTCTCGCCA
TCAGCGCGGCGTGGCCGAGAGCCGCGGCTCCGTGTTTCTGAAAGTGACAGCAGCCCC
CGTCCAGCTCCGACGCCGGCCTGCGGTTCCCGACAGCAACGGCCTCCTGCAGACCCAC
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TGGACAAGCTGTCTGACGTGTTCCAGCAGTGAAATACTGCACCGAGATGCAGCTCAAAG
ACCAGCAGGTGCCCCCGATAAGACATGCATGCAGTTCTCCATCCGCCGCCCAAGCTGC
CGTCTCCGAGACGCACCCCGAGGAGAGCATGTACAAGAGGCTCGGCGTCTCCGCTGGC
TCAACCACCTGAATGAGTGGCCAGGTGGAGGAGGATACAAGTGCAGGAGGCCATTT
TCTTTGGCGGTATTGATGTGTAATCCGCGGGGAGGTCTGGCCCTTCTGCTGCGCTATT
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ACTCTGAGATCCAGCAGAAAAGGCTCTCCATGACTCCCGAGGAGCACAGAGCGTTCTGGC
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TCCGGGGGAAGACAATCCAATGTGGAGAGCATGAGGAGGATCCTGCTGAACTACGCC

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TGTACAACCTGCCGTCGGCTATTCCCAAGGGATGTCGGACCTGGTGGCGCCATCTTGG
 CCGAGGTCCTGGATGAGTCAGACACCTTCTGGTCTTTGTGGGTTTGTATGCAGAACACGA
 TCTTCGTGAGCTACCCCGGGACGAGGACATGGAGAAACAACCTGTGTACCTGCGCGAGC
 TGCTGCGGCTGACGCACGTGCGCTTCTACCAGCACCTGGTCTCGCTGGGCGAGGACGGCC
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 CCGAAGCGCTGCGGATCTGGGAGGCCTGCTGGGCCACTACCAGACGGACTACTTCCACC
 TTTTCATCTGCGTGGCCATCGTGGCCATCTACGGGGATGACGTCATCGAGCAGCAGCTGG
 CCACGGACCAGATGCTCCTGCACCTTCGGAACCTGGCCATGCACATGAACGGGGAGCTCG
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 GCCTGCACGATCTGTGTAAGCTGTGCGGGTCAGGCATGTGGGACAGCGGCTCCATGCCCC
 CGGTGGAGTGACCCGGCCACCATCCCGGCTCGGAGAGCTGTCCCTACGGGGGCACGGTGG
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 AAGATAAAAAGCCCAACCGATGTGGGGATAGAGAGGCGGAAGAGCAGTCAGGCTTGAGGA
 GCTGGCGCTTGTAAATGTTTATCCGTTTAAACATTTTCGTCCTCCTGGTACACGAAGGGAAC
 TGTCTGCCAGGAGCCTGAGCCTCAGGCTGTTGGAGAAGCATCTGATGCCTTTTTCTTTG
 CTGGGGTCTTCTACGTGAGGTTCTTGGCGTTGTTAAGGTCAACTCCACCAAATACAG
 CAACCAGCTGGGGCTTGAAA
 AAA

- Restriction Sites:** ECoRI-NOT
- ACCN:** NM_019020
- 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_019020.2](#), [NP_061893.2](#)

RefSeq Size: 3303 bp

RefSeq ORF: 2304 bp

Locus ID: 125058

UniProt ID: [Q8TBP0](#)

Cytogenetics: 17q25.3

Gene Summary: May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). 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.