

Product datasheet for **SC112419**

TBC1D15 (NM_022771) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D15 (NM_022771) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D15
Synonyms:	RAB7-GAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_022771, the custom clone sequence may differ by one or more nucleotides

```
ATGGCGGCGGCGGGTGTGTGAGCGGGAAGATTATATATGAACAAGAAGGAGTATATATTCCTCATCTT
GTGGAAGACCAATGACCAAGACGGCTTGATTCAGGAATATTACGTGTTTTAGAAAAGGATGCCGAAGT
AATAGTGGACTGGAGACCATTGGATGATGCATTAGATTCCCTCTAGTATTCTCTATGCTAGAAAGGACTCC
AGTTCAGTTGTAGAATGGACTCAGGCCCAAAAGAAAGAGGTCATCGAGGATCAGAACATCTGAACAGTT
ACGAAGCAGAATGGGACATGGTTAATACAGTTTCATTTAAAAGGAAACCACATACCAATGGAGATGCTCC
AAGTCATAGAAAATGGGAAAAGCAAAATGGTCATTCTGTTGAGTTTACAGACCTGAAATCAATCAAGCAA
AACAAAGAGGGTATGGGCTGGTCTATTTGGTATTCTGTCTAAAGGATGACGTCGTTCTCCCTGCTCTAC
ACTTTCATCAAGGAGATAGCAAACACTGATTGAATCTCTTGAAAAATATGTGGTATTGTGTGAATCTCC
ACAGGATAAAAGAACACTTCTTGTGAATTGTCAGAATAAGAGTCTTTCACAGTCTTTTGAAATCTTCTT
GATGAGCCAGCATATGGTTTAAACAAGCAGGACTGCTAGACAGAAGAAAGCTGTTGTGGCCATTACC
ACTGGAATAAAAGGACCTTATACGGCAACTATGATAGGATTTTCAAAGTCACAACTACAT
TTTTGACAGTTTGAGAGGCGAGCATCCCTCTACACATCAACGACCACCTTCAGAAATGGCAGATTTTCTT
AGTGATGCTATTCAGGTCTAAAGATAAATCAACAAGAAGAACCAGGATTTGAAGTCATCACAAGAATTG
ATTTGGGGGAACGCCCTGTTGTTCAAAGGAGAGAACCAGTATCACTGGAAGAATGGACTAAGAACATTGA
TTCTGAAGGAAGAATTTAAATGTAGATAAATGAAGCAGATGATATTTAGAGGGGGACTTAGTCATGCA
TTGAGAAAAGCAAGCATGGAAATTTCTTCTGGGTTATTTCCCTGGGACAGTACCAAGGAGGAAAGAACCC
AATTACAAAAGCAAAAACTGATGAATACTTCAGAATGAACTGCAGTGGAAATCCATCAGCCAGGAACA
AGAGAAAAGAAATTCGAGGTTAAGAGATTATAGAAGTCTTATCGAAAAAGATGTTAACAGAACAGATCGA
ACAAAACAAGTTTTATGAAGGCCAAGATAATCCAGGGTTGATTTTACTTCATGACATTTTGATGACCTACT
GTATGTATGATTTTGATTTAGGATATGTTCAAGGAATGAGTGATTTACTTTCCCTCTTTTATATGTGAT
GGAAAATGAAGTGGATGCCTTTTGGTGCTTTGCCTTACATGGACCAAAATGCATCAGAATTTTGAAGAA
CAAATGCAAGGCATGAAGACCCAGCTAATTCAGCTGAGTACCTTACTTCGATTGTTAGACAGTGGATTTT
GCAGTTACTTAGAATCTCAGGACTCTGGATACCTTTATTTTGGCTTCAGGTGGCTTTTAAATCAGATTCAA
AAGGGAATTTAGTTTTCTAGATATTCTTCGATTATGGGAGGTAATGTGGACCGAACTACCATGTACAAAT
TTCCATCTTCTCTGTTGTGCTATTCTGGAATCAGAAAAGCAGCAAAATGGAAAAGCATTATGGCT
TCAATGAAATACTTAAGCATATCAATGAATTGTCCATGAAAATGATGTGGAAGATATACTCTGCAAGGC
AGAAGCAATTTCTACAGATGGTAAAATGCAAGGAATGCCACAAGCAGTCTGTGAGATCCTTGGGCTT
CAAGGCAGTGAAGTTACAACACCAGATTACAGCGTTGGTGAAGACGAAAATGTTGTGATGACTCCTTGTG
CTACATCTGCATTTCAAAGTAATGCCTTGCTTACACTCTCTGCCAGTGGAGCCAGAAATGACAGCCCAAC
ACAGATACCAGTGTCTCAGATGTCTGCAGATTAACACCTGCATGA
```

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_022771 unedited
GGTCACATTTGATCGATCACTTAGCGCGCCGGAATTCGCCGAGGGAAACATGGCGGCGGC
GGGTGTTGTGAGCGGGAAGATATATGAACAAGAAGGAGTATATATTCACCTCATCTTGT
GGAAAGACCAATGACCAAGACGGCTTGATTTTCAGGAATATTACGTGTTTTAGAAAAGGAT
GCCGAAGTAATAGTGGACTGGAGACCATTGGATGATGCATTAGATTCTCTAGTATTCTC
TATGCTAGAAAAGGACTCCAGTTCAGTTGTAGAATGGACTCAGGCCCAAAAAGAAAGAGGT
CATCGAGGATCAGAACATCTGAACAGTTACGAAGCAGAATGGGACATGGTTAATACAGTT
TCATTTAAAAGGAAACCACATACCAATGGAGATGCTCCAAGTCATAGAAATGGGAAAAGC
AAATGGTCATTCTGTTCAAGTTTGACAGACCTGAAATCAATCAAGCAAAAAGAGGGT
ATGGGCTGGTCTATTTGGTATTCTGTCTAAAGGATGACGTCGTTCTCCCTGCTCTACAC
TTTCATCAAGGAGATAGCAAACTACTGATTGAATCTCTTGAAAAATATGTGGTATTGTGT
GAATCTCCACAGGATAAAAGAACACTTCTTGTAATTGTCAGAATAAGAGTCTTTCACAG
TCTTTTAAAAATCTTCTGATGAGCCAGCATATGGTTTAATACAAAAATTAAGGAC
CCTTATACGGCAACTATGATAGGACTTTCCCAAGTCACAACTACCTTTTTTACAGTTG
AGAGGCAGGGAATCCTTTTACCATCAACGACCCCTTTTCAGAAAATGCCAGATTTTCTTA
AGTGAAGCCTATCCCAGTTCCTAAGNGAAAAATCACCAAGTAAGACCCAGAATCTGAAGC
CTCACCC
```

3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_022771 unedited
CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTAGTTTAAATCTTTGTAAG
CTTTAATGTAAGAACATCAGTACACTTTCTTTACATAAACCTTAAAGCATGATCAATACC
AAGATTTCAAATTTTCACTTTCAAGTACTTGAAAAAGGGTTGCAACAAAGTGTCTCTTC
CCAAAAAGCAAGAACAGTGATCATGCAGGTGTTAATCTGCAGACATCTGAGGACTGG
TATCTGTGTTGGCTGTCATTTCTGGCTCCACTGGCAGAGAGTGTAGGCAAGGCATTACT
TTGAAATGCAGATGTAGGACAAGGAGTCATGACAACATTTTCGTCTTACCAACGTCTGA
ATCTGGTGTGTAACCTTCACTGCCTTGAAGCCCAAGGATCTCACAGACTGCTTGTGGCAA
TTCCTTGCAATTTTACCATCTGTAGAGAAATGCTTCTGCCTTGCAGAGTATATCTTCCAC
ATCAATTTTATGACAAATTCATTGATATGCTTAAAGTATTTTATTGAAGCCATAATGCTT
TTCCATTTTGTGCTTTTCTGATTCCAGAATAGCACAAACAGAGAAGAAGATGGAATTT
GTACATGGGTAGTTCCGGTCCACATTACCTATAGAAGGCAGAAGAACTATTTGCAAATTT
GTATCAATTTCTAAAACATTTTCTCACAGATACCATTCTTGACACTGAATGACCTCTATG
CAAAGTAGATGTTGCCTGTTTAGGGTAGCCCAAGGCTTTTCTACCTAGAAATGAGGGGAG
GAGAGTCTTACCTTCAAGTACTATCATCGAGTTATATGATATGAATATTCTAA
TGGGCCTCTTTAGGTAATTTGAAGAATTACTGAGCCTACCAGTTGAAAATGTTATATGC
AGGACTCCAACCAAGTTAAAGTGAAGGGTAAAAGTTCTCCATTTT
```

Restriction Sites:

NotI-NotI

ACCN:

NM_022771

Insert Size:

4420 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_022771.3](#), [NP_073608.2](#)

RefSeq Size: 5811 bp

RefSeq ORF: 2076 bp

Locus ID: 64786

UniProt ID: [Q8TC07](#)

Cytogenetics: 12q21.1

Domains: TBC

Gene Summary: This gene encodes a member of the Ras-like proteins in brain-GTPase activating protein superfamily that share a conserved Tre-2/Bub2/Cdc16 domain. The encoded protein interacts with Ras-like protein in brain 5A and may function as a regulator of intracellular trafficking. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]
 Transcript Variant: This variant (1) encodes the longest 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.