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# Product datasheet for SC123805

## TBC1D16 (BC000248) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | TBC1D16 (BC000248) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | TBC1D16 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL5 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

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**Fully Sequenced ORF:**

```
>OriGene sequence for BC000248 edited
GTGGGCAGGGCATCAGGACAAGATGAAGATGCTGGCTCTGGAATGAGGACTCCCCTTGGG
CTAAGGGGTAGTGGCTGGCAGAGGTTGCCCAGCTCTTTTGGAGGCCACAGGGAATAGAGG
TGGGGTGGTGCTTCCGTTCCTGTGAGGCCCGCCCCCCTGAGCCCCCTCGTCTGCTTCTTG
TTTGGCAGAAATAGATGTGGGGCACAGCCCCTAGATGATGGGAATCTGCCCAAGCTGTGC
CCTCTGGGGAATGAAATCTTGCTCCTCGTGCAGCTTCCCCTTTCCCTTGCGGGGTGGGGG
CTGGGGGTGCCAAGGCTCCACCCTTGGAGGGGGTTGCTGGGGGTGCCAAGGCTCCACCCT
TTGCTCGCTGGGCAGAGGGAAGGAAGCACCTCCCTGTATGCTCTGCAGGGGCCCCTGCAG
GCCACTTTGCCTCAGAGGAAGGAGGAGAGGTCCCCTGGGAAAATGCGCACACACACACAC
ACACACACACACACACACACGCACATGCACACACGCACGCATGCACACACACACACACAT
ATGTGCAGGGGTGCAGCCTAAGTCAGTGGAGCCAGGACTGGCTGCGCAGCTGGGCCTGCC
CCATTCTTGGAGTCCCCAGGGAATGAGCCTCAGGATCCACTTCGTCCCTTGTTTCTAAGC
CAGGCTGCACGGCCGTTCCTGGGTGTGAAAGCATTCTGTCCTGTCTCCAGTCAGAGGGAA
CCGCCCCCAAACTAGAAAGCTAATTTCCCCCGAAGGTTCATGAAGCCAGAGGCATGCCCT
TGGGGGTTGGTCGGGAGAAGGGTGAGAGGCAGTGCTGTGGAAGGGGCCTGGCCCCTGCTG
CCTGCGATTCTCCCCGGGTATGTGGCCTTCTGCCTCCTTCAGCCTCAGTTTCCTCACCTG
TAACATGAGAATAATGATGCCTGCCTGCCCAGGCCACCTCCTGGGAGTGCATTGGGGACT
CTAAGTGTAAAACTGTCATGAGGATGGTTTATGAAGTCCCAGGGACCACACCTGCCACTC
AGGGAAGAGACCGCTGACCTCAGCCATCAGCCGTGTGCATCGTGAGGGGCAGCGAGCTCA
GGACGGAGAGCTCTCCCTTGGTTCGGAGTCAGCACACCTGCACTCCCACACGCCCACCCA
GCTGTGTGTCCTCCGCCGAGGGCGAGCCTCTCTGTGACTCTTCTGTAAAATGCACCCCAT
TCTGCCCACTCCTGCCACGAGACCCATCCTCTGCGATCCCGCCAGGCATGTGTGTGTGAA
TGCATGTGCAAAGCTCTCCATCAGAAGGGTGGTGTGGGCCCTGCAGGTCCTACCCCTCGG
CCTTGAAGCTCCCTCGGGCTGCGGACTCTGCCTCCTGGGTCTGAGCATTAGAACCAGGAG
AGGGGTGTCCCTGGGCAGAGCCAGGGGTGCAAACAGCCTGCAGCCATCTGGCCTTTTAAG
TATAGTGTGTCGCATTTCCGGGTAGGAAGGTAGCATTTCAAGTTCAAAGAGAGGTCAAGT
CATGCAACCATCTTTCCTCCAGCACTTTTGGGGTAAGGAGGACAGTTTTTGTTATGGTTT
AGGGGAAATTTTCATGAAATTTCCACCATTACCAATAGATTACTGATGTCCATGGCAAGT
GATCTGTTCTTGGTATTTTGTTTTGTTTTGTTTTGGTTTTTAAATGTAATCACCCATTGG
TCAGGCCCAGGACTGGTCACCATGAGCTCTGCTAGCCACGGCCCCAACGATGCTTCCGGC
TCTCATGGATTCCACAGCAAATAAAACTGTACTGACAACAAAAAAAAAAAAAAAAAAA
```

**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for BC000248 unedited
NTTTGAGCACATTTTGTAATACGACTGCACTATAGGGCGGCCGCGAATTCGGCACGAGGG
TGGGCAGGGCATCAGGACAAGATGAAGATGCTGGCTCTGGAATGAGGACTCCCCTTGGGC
TAAGGGGTAGTGGCTGGCAGAGGTTGCCCAGCTCTTTTGGAGGCCACAGGGAATAGAGGT
GGGGTGGTGCTTCCGTTCCTGTGAGGCCCGCCCCCCTGAGCCCCCTCGTCTGCTTCTTGT
TTGGCAGAAATAGATGTGGGGCACAGCCCCTAGATGATGGGAATCTGCCCAAGCTGTGCC
CTCTGGGGAATGAAATCTTGCTCCTCGTGCAGCTTCCCCTTTCCCTTGCGGGGTGGGGGC
TGGGGGTGCCAAGGCTCCACCCTTGGAGGGGGTTGCTGGGGGTGCCAAGGCTCCACCCTT
TGCTCGCTGGGCAGAGGGAAGGAAGCACCTCCCTGTATGCTCTGCAGGGGCCCCTGCAGG
CCACTTTGCCTCAGAGGAAGGAGGAGAGGTCCCCTGGGAAAATGCGCACACACACACACA
CACACACACACACACACACGCACATGCACACACGCACGCATGCACACACACACACACATA
TGTGCAGGGGTGCAGCCTAAGTCAGTGGAGCCAGGACTGGCTGCGCAGCTGGGCCTGCCC
CATTCTTGGAGTCCCCAGGGAATGAGCCTCAAGATCCACTTCGTCCCTTGTTTCTAAGCC
AGGCTGCACGGCCGTTCCTGGGTGTGAAAGCATTCTGTCCTGTCTCCAGTCAGAGGGAAC
CGCCCCCAAACTAGAAAGCTAATTCCCCCGAAGGTCATGAAGCCAGAGGCATGCCCTTGG
AGGTTGGTCGGG
```

**Restriction Sites:** Please inquire

**ACCN:** BC000248

**Insert Size:** 1797 bp

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|---|---|
| **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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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:** | BC000248.1, AAH00248.1 |
| **RefSeq Size:** | 1797 bp |
| **Locus ID:** | 125058 |
| **Cytogenetics:** | 17q25.3 |
| **Gene Summary:** | May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function] |

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