

Product datasheet for **SC127684**

TBC1D9B (NM_015043) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | TBC1D9B (NM_015043) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | TBC1D9B |
| Synonyms: | GRAMD9B |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL6</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_015043, the custom clone sequence may differ by one or more nucleotides |

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ATGTGGCTGAGCCCGGAGGAGGTGCTGGTGGCCAATGCGCTGTGGGTGACGGAGCGGGCCAACCCCTTCT
TCGTGCTGCAGCGACGCCGGGGCCACGGCAGGGGCGGGCCCTTACGGGTCTTCTCGTGGCACCCTGGA
CGTGGTGTGACTCCAGTGCCCGGTGGCCCTTACCGCATCCTGCACCAGACCAGGACTCCCAGGTC
TACTGGACAGTGGCGTGTGGTCTTCCCGCAAAGAGATCACAAAACACTGGGAATGGCTGGAAAATAACT
TGCTCCAGACTGTCCATCTTCGACAGTGAGGAAGATATCACCACCTTCGTCAAGGGCAAGATACACGG
AATCATCGCAGAAGAGAACAAGAACCTGCAGCCCCAGGGAGACGAGGACCCCGGAAGTTCAAGGAGGCT
GAGCTGAAGATGCGGAAGCAGTTTGGGATGCCTGAGGGCGAGAAGCTGGTGAATTACTACTCCTGCAGCT
ACTGGAAGGGCCGCTGCCCGGAGGGCTGGCTGTACCTGACGGTCAACCACCTGTGCTTCTACTCCTT
CCTGCTGGGAAGGAAGTGAACCTCGTGGTGCAGTGGGTGGACATAACCGCTCTGGAGAAGAACGCCACC
CTGCTCTTCCCGAGAGCATCCGTGTGGACACCCGCGACCAGGAGCTCTTCTTCCATGTTCTCAACA
TCGGCGAGACCTTCAAGCTCATGGAGCAGTTGGCCAACCTGGCCATGCGGAGCTGCTGGACAGCGAGGG
CTTCTGGAGGACAAGGCCCTGCCTAGGCCATCCGGCCACACAGGAACATCTCAGCCCTGAAGCGAGAC
CTGGACGCCCCGAGCCAAGAATGAGTGTACCGAGCCACGTTCCGGCTGCCAGGGATGAGCGGCTAGACG
GCCACACAAGCTGCACCCTGTGGACGCCGTTCAACAAGCTGCACATCCCTGGCCAGATGTTATCTCCAA
CAACTACATCTGTTCCGACGCAAGGAGGAGGACGTTGCCACCTCATCATCCCTGAGGGAGGTGACC
ATTGTCGAAAAAGCTGACAGCTCCAGCGTGTGCCAGCCCTGTCCATCAGCACCAAAAGCAAATGA
CATTCTGTTTGCCAACCTGAAAGACCGTGATTTCTTGGTGCAGAGGATCTCTGACTTCTCCAGAAAAAC
ACCATCCAAGCAGCCAGGAGTATCGGGAGCAGGAAAGCCAGTGTGTGGACCCTAGCACAGAGTCTTCC
CCAGCTCCTCAGGAGGGGTCGGAGCAGCCGCCAGCCAGCCTCTCCCTCAGCAGCCGCCAGAGCTTCT
GTGCGCAGGAGGCCAACCGCATCCAGGGCCTGCTGAAGCTCTTCCAGAAAAACTCGCCCATGGAGGA
CCTTGGAGCCAAGGGGGCAAGGAGAAGATGAAAGAGGAGTCATGGCACATCCACTTCTTCGAGTACGGG
CGTGGCGTGTGCATGTACCGCACAGCAAGACCGGGGCACTGGTCTGAAGGGTATCCCTGAGAGCCTCC
GGGAGAGCTGTGGCTCCTTCTCCGGGGCCTGGAATGAGATGGTGACTCACCCGGGACTATGCTGA
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GCTGGTGGAGAAGTCCACCGGAAGTACAGCCTGGCCACAGAGGAGATCGAGCGAGACCTGCACCGCTCC
 ATGCCCGAGCACCTGCCTTCCAGAACGAGCTGGGGATTGCTGCCCTCCGGCGGGTCTGACTGCCTATG
 CCTTCCGAAACCCACCATCGGCTACTGCCAGGCAATGAACATCGTGACCTCGGTGCTCCTGCTCTATGG
 CAGTGAGGAGGAGGCCTTCTGGCTCCTGGTGGCCCTGTGCGAGCGCATGCTGCCGACTACTACAACACC
 AGGGTGGTGGGAGCCCTGGTGGACCAAGGCATCTTGAAGAGCTCACGAGAGACTTCTGCCGAGCTCT
 CGGAGAAGATGCAGGACCTGGGGTGATCTCCAGCATCTCGTGTCTCTGGTTCTGACCCCTTCTCCTCAG
 CGTATGCCCTTCGAGAGCGCCGTGGTCTCGTACTGCTTTTTCTATGAGGGCATCAAGTGATCCTG
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 TATGAGAAATTCAGCAGCCTGAGGGCCGAAGACATTGAGCAGATGCGGTTAAACAGAGGCTGAAAGTGA
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 GTTCAGGCTCCTGGACGAAAACAAGGACTCGTGTCACTTCAAGGAGTTCGTGACAGGGATGAGCGGG
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 GCAGGACCTGTACCACGCCATCGCCACCGTGGCCAGCCTCCTGCTCCGCATCGGAGAGGTGGGGAAGAAG
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 TGATCAGGACGCAGCCAGGAGCTTCAAGCCAGCTGCAGGAGACCCCAAGCCAAAGCAGGCGGAGA
 CACACACCTCGGAAAAGCCACAGGAGAGCCAGGTGGTGGTGGAGGGGGCAGCGGCGAGGACAGGGC
 TCACCCTCCAGCTGCTGTCTGACGATGAAACCAAGACGACATGTCCATGCTCCTCTACTCGGTGGTCA
 GCACGGGCTCCGCAATGTGAAGACCTTGCAGACGACACGGTGTGGTGGGCGGGGAGGCTGCAGCCC
 CACAGCGGCATCGGCGGACCGTGCACACCGACTGGTGCATCTCCTTTGAGCAGATCCTGGCCTCCATC
 CTGACGGAGTCCGTGCTGGTGAACCTTTTGAAGAGAGTGGACATTGGACTCAAGATCAAGGACCAAA
 AGAAAGTGAGAGACAGTTCAGCACCGCCAGTGACCATGAGCAGCCTGGAGTTTCCGGCTGA

**5' Read Nucleotide
 Sequence:**

>OriGene 5' read for NM_015043 unedited
 CCGCCCCGTTGCCGAAATGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGT
 TTATTTAGGTGACTATAGAATAACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTC
 GGCACGAGGGGGCGCTTCCGCCTCGCGGGCTCGGCCCGGTGCGAGCGGCTCCGCGATG
 TGGCTGAGCCCGAGGAGGTGCTGGTGGCCAATGCGCTGTGGGTGACGGAGCGGGCAAC
 CCCTTCTCGTGTGACGCGACCGGGGCCACGGCAGGGGGCGGGCCCTTACGGGTCTT
 CTGCTGGGACCCCTGGACGTGGTCTGGACTCCAGTGCCCGCTGGCCCTTACCGCATC
 CTGCACCAGACCCAGGACTCCCAGGTCTACTGGACAGTGGCGTGTGGTTCTTCCCGCAAA
 GAGATCACAACACTGGGAATGGTGGAAAATAACTTGCTCCAGACTGTCCATCTTC
 GACAGTGAGGAAGATACACCACCTTCGTCAAGGGCAAGATACACGGAATCATCGAGAA
 GAGAACAAGAACCTGCAGCCCCAGGAGACGAGGACCCCGGGAGTTCAAGGAGGCTGAG
 CTGAAGATGCGGAAGCAGNTTGGGATGCCTGAGGGNCGAGAGCTGGTTGAATACTACTCC
 TGCAGCTACTGGAAGGGCCGCTGCCCGCAGGGCTGGCTGTACCTGACGGTCAACCACT
 GTGCTACTCTCCTGCTGGGAAANGAANGAGCCCTCTGGTGCATGGGTGACCTAACG
 CGTTTTGAGAGAACGCCCTGCTTTTTCCGGAGGATTGGGTGGCCCCGGGACAGGAG
 CTTTNTTTTCCATGTCCACCATGGGGACCTCAGCTCTGGAGCCATGGCCACCTGCT
 GCGGANATTTGAACGGAAGTCTCCTGAGACAAGCCTGCTAGCCCTCCGCCAGGAACCTA
 CCCTTAAGGAACTGACCCGGCAAA

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| 3' Read Nucleotide Sequence: | >OriGene 3' read for NM_015043 unedited CTTTTTtagggTTATAAGGCTTGAGCACGTGATTTTCTAGCCATGAAATGAATCCAAGA AATATATCAGGACCTGAGGGATGTTTTTTAAAGTTACTGGAAAGGATGATGAGCTGAGA GCACGTGTACAGCCACGCCTGTGCGCAGCGCCACTCTGTGCAATAAACATGTTCTGCC ATGTTCCCTCAGTCAGGAGTTTCAAGGCTCCCGGAGAGCACCTGAGGGTTCATCACTTTGG TGCCCAACAAGCACATGCCCCCAACCTGGTGCCAAGAGGCAGGAATGACCCCCATACCA CATAGCTGCAGGAAAGCATCCACGGATGGAGGGACTCAGCTGGCCTGGCCGCAGTGTGGA GCACAGAGGTATGAGGCAAGCAAGGGCAGATCTGAGAGCCTCTAATGCTAGGCAGGTGCA GCTGGTGCAGGCGGGCTCCCACCAGGTGTAAGGAAGGTGGGAGCCACAGCCTCTTCCTG GGCCAGAAGCAGCCGGCGCCAGGAGATGCAGGCCAGGGAATCTGTCTAAGGCAGCTGG GTCTGCACCAGCCTTCTTTCCACTCACAACCTACTGCTCCTGGGAGAGCAGGAGGGGCAC ACCTTTAAAGAGAACTGATAAGGGAGGAAAGGCAGGAGGAGATGAGGCCAGCCCCACTG ATGACACCTTNGCCAGGCCTCACAGCTGCAGGCATCAGCCGAAACTCCAGGCTGCTCA TGGTCACTGGCGGTGCTGAACTGTCTCTCACTTTCTTTTGGTCCTTGATCTTGAGTCCA ATGTCCACTCTTCTCAAAGAAGTCACCAGCACGGACTCCGTCAGGATGGANGCCAGNA TCTGCTNAAGAGATGCACCAGTCGTGTGACGGTGGCCNGCATGCGCGCTGTGGGGCTG CAGGCCTCCCGCCACAGCACGTGTCGTCTGCAGGTC |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_015043 |
| Insert Size: | 4500 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_015043.3 , NP_055858.2 |
| RefSeq Size: | 5138 bp |
| RefSeq ORF: | 3702 bp |
| Locus ID: | 23061 |
| UniProt ID: | Q66K14 |
| Cytogenetics: | 5q35.3 |
| Domains: | EFh |

Gene Summary:

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

Transcript Variant: This variant (2) lacks an alternate in-frame coding exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.