

Product datasheet for **SC307801**

TBC1D8B (NM_198881) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TBC1D8B (NM_198881) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBC1D8B
Synonyms:	GRAMD8B; NPHS20
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_198881, the custom clone sequence may differ by one or more nucleotides

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ATGTGGCTGAAGCCTGAGGAAGTCTTCTGAAAAATGCGCTGAAGCTGTGGCTGATGGAA
AGGTCCAACGACTACTTCGTGCTGCAGCGGCGTCGGGGCTACGGGGAGGAAGCGGAGGG
GGGCTCACAGGGCTTCTGGTTGGGACTCTTGATTCACTCTGGACTCTACTGCTAAAGTA
GCTCCATTTTCGCATCCTACACCAGACACCAGATTCTCAAGTTTACTTGTCAATTGCATGT
GGAGCCAACAGAGAAGAAATAACCAAGCATTGGGATTGGTTGGAACAAAAATATTATGAAG
ACCTTATCTGTATTTGATTCAAATGAAGATATTACTAATTTTGTACAAGGAAAAATAAGA
GGATTAATTGCTGAAGAGGAAAAACATTGTTTTGCAAAAAGAGATGATCCTGAGAAATTT
CGAGAAGCCCTTTTGAATTTGAAAAATGTTTTGGTTTACCAGAGAAGGAGAAGTTAGTG
ACCTATTATTCATGCAGTTATTGGAAAGGACGGGTTTCTTGTGAGGGTTGGCTTTATCTT
AGCACCAACTTTCTGAGCTTCTATTCTTTTTTGTGGGATCAGAAATAAACTCATTATC
TCCTGGGATGAAGTCTCAAACTTGAAAAGACTTCAAATGTCATACTGACAGAGAGTATT
CACGTGTGTTCCCAAGGAGAGAATCACTACTTTTCAATGTTTTTGCACATTAACCAAACA
TACCTTCTTATGGAACAGCTGGCAAATGATGCCATTAGAAGACTTTTTGATAAGGAAACA
TTTGATAATGACCCAGTCTTTATAATCCTCTACAGATACCAAAAAGAGGTCTGGAAAAT
AGAGCCCACAGTGAAGCAATTTAATGCCTTTTTTGGCTGCCAAAAGGAGAGATTTGAAA
GAAGTACATGAATGTTTCTTATGGGTACCATTCAGCCACTTCAATACTCATGGGAAAATG
TGCATCTCAGAAAATTATATCTGCTTTGCTAGCCAAGATGGCAATCAGTGTAGTGAATC
ATTCCACTACGAGAGGTCTTAGCTATAGATAAGACAAATGATTCCAGCAAATCTGTCATC
ATTAGCATCAAAGGAAAAACAGCTTTTCGCTTCCATGAAGTTAAAGACTTTGAACAACCTG
GTAGCAAACTCAGGCTCAGATGCGGAGCAGCTTCAACTCAATATCATGATATTAGCACA
GAGCTTGCTATTAGTTCTGAGTCTACAGAGCCATCTGATAATTTTGGAGTGAATCTTTG
ACAAGTCAGAGGGAATGCAGTAAAACCTGGAACACTGAAGCCTTAATGACAGTATTTTAC
CCTCAGAAATTTGGAGACTCTTAATTCTAAAATGTTGAAAGAAAAAATGAAGGAACAGTCA
TGGAAAATACTGTTTGCAGAATGTGGACGTGGTGTAGTATGTTTGAACCAAAAAGACT
CGAGATCTTGTGTAAGAGGGATTCCAGAAACATTAAGAGGAGAAGTCTGGATGCTTTTT
TCAGGTGCTGTTAATGACATGGCTACTAATCCTGACTATTATACTGAAGTGGTTGAGCAG
TCCTTAGGACCTGCAACTTGGCTACTGAAGAAATGAACGTGATTTACGTCGCTCTCTG
CCTGAGCACCCAGCCTTTCAGAGTGATACTGGCATATCTGCTCTGAGAAGGTACTCACA
GCTTATGCATACAGGAATCCCAAATTTGGATACTGCCAGGCAATGAATTTTTGACTTCA
GTGCTGCTTCTATATGCAAAAGAGGAAGAAGCTTTTTGGCTTCTGGTTGCTGTATGTGAA
CGAATGTTGCCTGATTATTTAATCGTGAATATTGGTTCAGATGATTTTATGCCACTA
GTAAGAATCCAAGGACAATGTGTTATTGGGGAGAAGTAG

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- Restriction Sites:** Please inquire
- ACCN:** NM_198881
- 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_198881.1](#), [NP_942582.1](#)

RefSeq Size: 2607 bp

RefSeq ORF: 1899 bp

Locus ID: 54885

UniProt ID: [Q0IIM8](#)

Cytogenetics: Xq22.3

Gene Summary: This gene encodes a protein with a TBC (Tre-2/Bub2/CDC16) domain. Some mammalian proteins with this domain have been shown to function as Rab-GAPs by binding to specific Rab proteins and affecting their GTPase activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2011]
Transcript Variant: This variant (2) lacks several exons and includes an alternate 3_ terminal exon, compared to variant 1. It encodes isoform b which is shorter and has a distinct C-terminus, compared to isoform a.