

## Product datasheet for MC223629

### Tbc1d8b (NM\_001081499) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tbc1d8b (NM\_001081499) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tbc1d8b  
**Synonyms:** 4921505D17Rik; 9030605E16Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223629 representing NM\_001081499  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTGGCTGAAGCCCAGGAAGTGTCTGTTGAAAAATGCGCTGAAGCTGTGGCTGATGAAAGATCCAACG  
AGTACTTTGTCTGCAAAGGCGTCGAGGCTACGGGAAGAAGGAGAGGGGGACTTACAGGGCTCTTGGT  
TGGGACTCTTGATTCTGTCTTAGACTCCACTGCTAAAGTAGCTCCATTTTCGCATCTACACCAGACCA  
GATTCTCAAGTGTACTTGTCAATTGCATGTGGAGCCAACAGAGAAGAAATAACAAAACATTTGGGACTGGT  
TGGAAACAAAATAAATGAAGACTTTATCTGTGTTTATTCAAATGAAGATATTACCAATTTTGTACAAGG  
CAAAATAAGAGGACTAATCGCTGAAGAGGGGAAACAGTCTTTTGTAAAGAAAGATGATCCTGAGAAATTT  
CGAGAAGCCCTTTTGAATTTGAAAAATCTTTTGGTTTACCAGAGCAGGAAAAATAGTAACTTATTATT  
CCTGCAGTTACTGGAGAGGACGGGTCCTTGTCCAGGGCTGGCTCTATCTAAGTACCAACTTTCTGAGCTT  
CTATTCCTTCTTGCTAGGATCAGAAATTAACCTCATTATCTCCTGGGATGCAATCTCAAACTTGAAAAG  
ACTTCAACTGTTATATTAAGTGAAGCATTACGATGTTCTCAAGGAGAGAATCACTATTTTCAATGT  
TTTTGCACATTAATGAGACATACCTTCTTATGGAACAACCTGGCAAACTATGCCATAAAGAGACTTTTTGA  
TAAAGAAACATTTGATAATGACCCAGTCCCTTGATGATCCTCTACAGATTACCAAAAAGAGTTTGGAAAT  
CGAGCCCACAGTGAAGCAATTCAAAGCCTTTTTTAGGCTACCCAAAAGAGAGACATTGAAAGAAAGTACATG  
AGTGTCTTCTATGGGTACCATTAGCCACTTCAAGTACAGGAAAAATGTGATTTTCAAGAAACTATAT  
TTGCTTTGCTAGCCAGGATGGGAATCTATGCAGTGAATCATTCCATTACGAGAGGTCTTAGCTATAGAT  
AAAAGTATGACTCCAACAGATCGGTCATCATTAGCATCAAAGGAAAAACAGCTTTTCGTTTCAGTGAGC  
TTAAAGACTTTGAGCAACTGGTGGCAAACTCAGGCTCAAGTGCCGGGCAGCTTCAACTCAAGATGATGT  
TAGTACAGAGGTTGCTGTTAGTTCTGACTCGACAGGCCCATCTGAGAATTTTGGAGAGCAGCCTTTGACA  
TGTCAAAAGGAATGCAGCAAACTGTGAACACTGAAGCCTTAATGACAGTATTTACCCTCAAAATCTGG  
AAAATCTTGATTCTAAAATGTTGAAAGAAAAGATGAAGGAGCAATCATGGAACATCTTATTTTCAAGATG  
TGGCGCAGGTGTTAGCATGTTCCGGACAAAAAGACTCGAGATCTGGTGGTAAGAGGGATTCCAGAGACG  
TTAAGAGGAGAGCTCTGGATGCTTTTCTCAGGTGCTGTTAATGACATGGCAACAAACCCTGGCTATTATG



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CTGAAGTGGTTGAGCAATCCTTAGGGACCTCCAACCTGGCTACTGAAGAAATTGAGCGTGATTTGCGTCC
CTCTCTGCCCGAACATCCAGCATTTTCAGAGTGATACTGGCATATCTGCTCTGAGGCGGGTACTGACAGCT
TATGCATATAGGAATCCCAAAATAGGATACTGCCAGGCAATGAACATTTTGACTTCAGTATTGCTCCTAT
ATGCAAAAAGAAGAAGAGGCTTTTTGGCTTCTGGTTGCTGTATGTGAACGAATGTTGCCTGATTATTTTAA
TCGTCGAATCATTGGTGCCTTGGTGGACCAGGCAGTGTGTTGAAGAACTTATCAGGGATCACCTTCCTCAG
CTGACAGACCACATGACCGACATGACTTTCTTTTCCTCTGTTTCTTTCTGTTTCTCCACACTTTTCA
TTAGTGTGCTACCTATTGAAAGTGCAGTGAATGTGGTGGACTGTTTCTTCTATGATGGAATAAAAGCCAT
TTTACAACCTGGGATTGGCAATACTTACTGACTATAATTTAGACAACTTCTGACATGTAAAGATGATGCTGAA
CGGGTGACGGCACTAAACAGTTCTTTGACAATGTCATTAATAAGGATAGCCCACTGCCTTCAAATGTTT
AACAGGGTTCAAATATCAGTAATGAAAAAGTGATCATACTAAAGTGGATATTACAGATTGATTAAGA
GTCCAATGAGAAATATGGTAGTATCCGCTATGAAGATACATAGCATGCGCTGTCGAAATAGGTTGTAT
GTGATCCAGACCTGGAAGAGACAACAAAGCAGAATGTGCTACGTGTTGTATCGCAAGACGTGAAAAATGA
GCCTTCAGGAACCTGGACGAACCTTATGTCATTTTTAAGAAAGAGCTGTTTATATCTTGTATTGGTATTT
GAGTTGTCAGGATTGAAGCATCATGACCCAGCCTGCCATATTTGGAACAATATCAGATTGACTGCCAG
CAATTCAGAGTATTATACACTTGTGAGTCCCTGGGCTCATTCTGCAAACAGAGACTCATTGGCTTTAT
GGACATTCGATTGTTGGATGAGAATCTGATTGCCTTATAAACTTCAAAGAATTCCTCTGCAATAGA
TATAATGTACAATGGAAGTTTTACTGACAAGCTCAAGCTGCTTTTTAAGCTGCATATTCCTCCAGCTTAT
ACTGAAGTGATGTCTAAGACGTCTTCAAAGGGCGATGAGCTTTCAACAGAAGAATTACTTTATTTGAGTC
AGCTCCAGGTTTCTAAGCCTGCAGATGAGAAGGAAACAGAATCGGGAAGAATAAGCCCTGAAAAAGGCAA
AGGAAAAATTGATATCAAGCCTATTTAAGTCAATGGCAAGATGAGCTTCTTAAAAAGAAGAAACCATT
AAAGATTTACCAAGAATGAATCAGTCACAATTTATTCAATTTTCAAAGACCCTGTATAATTTATTTTCATG
AGGACCCTGAAGAAGAGTCGCTATATCAAGCCATTGCTATTGTAACCAACCTTCTGCTCAGGATGGAAGA
AGTTGGAAGGAACTCCATAGCCCGGCATCATCAGCCAGTACAGCTCGTGATTCTGGACCCAGTGAAGGG
AATGCAGAGAGCAGTGTGAAGAAAGATCTTCCCTCTCCAGGGAAGAACATCAGTGGTCGTTTGCATTTG
AGCAGATTCTTGCTTCCCTGTTAAATGAACCAGCCTGGTGAGGTTTTTTGAGAGACCCTTAGATTTAAA
AGCCAAGCTAGAAAATGCGAAAAGCTCCAGCTAAGGTCTAGAACCAAGATGTAA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_001081499

**Insert Size:**

3345 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](mailto: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\\_001081499.2](#), [NP\\_001074968.1](#)

**RefSeq Size:** 5907 bp

**RefSeq ORF:** 3345 bp

**Locus ID:** 245638

**UniProt ID:** [A3KGB4](#)

**Cytogenetics:** X F1

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