

## Product datasheet for **MC215855**

### **Tbc1d10c (NM\_178650) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d10c (NM_178650) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d10c
Synonyms:	1810062O14Rik; AI428527
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC215855 representing NM\_178650  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCAGGCCCTGGGAGAGGACTTGTATCAGAACTACAGGATGATTCTAGCTCCCTAGGGTCTGACT  
 CAGAGCTGAGTGGGCCAGTCCATATCGCCAGGCTGACCGTTATGGCTTATTGGGGCAACTCAGGTGA  
 ACTGAGGCTTTGTCAACCCTCTGCAGACCTCATCCGCCAGCGAGAGATGAAATGGGTGGAATGACCTTA  
 CACTGGGAGAAGACCATGTCCCAGCATAACAAGAAGTAAAGATCCAGTCCCGCAAGGGCATCCCCTCAG  
 CCCTGCGTGCCCGGTGTTGGCCCTCTGTGTGGGGCCGGATGTGTGAGAAGAACAACCCTGGCACCTA  
 CCAGGAGCTGGCAGCAGCCCCGGGGACCCGAGTGGATGGAGACCATTGGCAGAGACTGCACCGTCAG  
 TTTCTCTGCATGAGATGTTTGTGCACCCAGGGACACGGGCAGCGGGGCTGCTGCAGGTTCTCAAGG  
 CCTACACCCTGTACCGCCAGAGCAGGGATACTGCCAGGCTCAGGGACCTGTAGCTGCTGTGCTGCTCAT  
 GCATCTACCCCCAGAGGAGCCCTTCTGGTCTTGGTGCAGATCTGCGAGGCTACCTCCCTGGCTACTAT  
 GGGCCCCACATGGAGGCCGTACAGCTGGATGCTGAAGTGTTCATGGCCCTTCTGAGGCGGCAGCTCCCAC  
 GAGTGTACAAGCACCTGCAGCAGGTAGGCGTCGGCCCCCTGCTCTACCTGCCTGAGTGGTTCCTGTGCCT  
 CTTCACTCGGTGCTGCCCTTCCCACAGTACTGCGCATCTGGGATGCCTTCTCAGTGAGGGGGTAAG  
 GTACTGTTCCGCGTGGGGCTGACACTGATGCGCCTGGCACTGGGCACTGTAGAACAGCGCACAGCATGCC  
 CAGGGCTCCTGGAGACATTGGGGCCCTACGAGCCATCCCCCTACCCAGCTGCAGGAAGAGGTCTTCAT  
 GTCCCAGGTGCACAGTGTAAACCCTGTCTGAGCGAGTCTGCAACAGGAAATCAGGATCCAGCTAGCCAG  
 CTTTCGAAGTCACTCCCTGGGCCAGCCCTCTGCCACAGGCCCGCCTTCTGGGGCCCAAGCCATCTTCG  
 AGTCCCAGCAGCTGGCAGGGGTTGAGAAAGCACCAACCTGAGATACCTCGAATTGTGGTGCAGCCTCC  
 AGAGGAGCCCAAGCCACCACGGCCAGCCAGACCCGGGTAAGACTTTCATGGACTCCTGATAAGG  
 GCCAGGGGACCCCTATTGAGGGCCCTCCAGGTCCCAACGAGGCTCTGCCTCTTCTGGACACCCGAT  
 TCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_178650

**Insert Size:** 1335 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\\_178650.3](#), [NP\\_848765.2](#)

**RefSeq Size:** 1781 bp

**RefSeq ORF:** 1335 bp

**Locus ID:** 108995

**UniProt ID:** [Q8C9V1](#)

**Cytogenetics:** 19 A

**Gene Summary:** Inhibits the Ras signaling pathway through its intrinsic Ras GTPase-activating protein (GAP) activity. Acts as a negative feedback inhibitor of the calcineurin signaling pathway that also mediates crosstalk between calcineurin and Ras (By similarity).[UniProtKB/Swiss-Prot Function]