

## Product datasheet for **MC219003**

### **Tbc1d24 (NM\_001163852) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d24 (NM_001163852) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d24
Synonyms:	9630033P11; C530046L02Rik; mKIAA1171
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219003 representing NM\_001163852  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGACCCCCAGGGTACAATTGCTTTGTGGATAAGGACAAGATGGATGCATCCATCCAGGACCTGGGGC  
 CAAAGGAGCTGAACTGCACGGAGCTACAGGAGCTGAAGCAACTGGCACGGCAGGGTTACTGGGCTCAGAG  
 CCACACCTGCGCGGAAAGTGTACCAGCGCTGATCCGGGACATCCCCTGCCGCACAGTACACCTGAT  
 GCCAGCGTGTACAGTGACATTGTGGGAAGATTGTGGCAAGCACAGCAGCAGTAGTCTGCCCTTGCCCTG  
 AGTTTGTAGACAACACTCAGGTGCCACCTACTGCCTGAACACACGGGGTGAAGGGGCTGTGCGCAAGAT  
 CCTCTGTGATTGCCAACCACTCCCTGACATCTCCTTCTGCCCTGCCCTGCCTGCTGTGGTGGCCTTG  
 CTACTGCACTACAGCATCGATGAAGCTGAGTGTTTCGAAAAGCCTGCCGCATCTTATCCTGCAATGACC  
 CCACCAAGAAGCTCATTGACCAGAGCTTCTGGCCTTTGAGTCTTCTGTATGACATTTGGGGACCTGGT  
 GAACAAGTACTGCCAGGCAGCCATAAACTGATGGTGGCCGTGTCAGAGGACGCTCTGCAGTCTACTCT  
 GACTGGCAGCGATGGCTCTTTGGGGAGCTGCCCTCAATTAATTTGCCCCGTGTTTTGATGTCTTCCCTG  
 TAGAAGGCTACAAAGTATTGTACCGAGTTGCTCTGGCCATCCTCAAGTCTTCCACAAGGTGAGAGCAGG  
 ACAGCCCCCTTGAGTCAGACAATGTAAGCAAGACATCCGAATGTTTGTCAAGGACATTGCCAAGACAGTG  
 TCCCCTGAGAACTACTAGAGAAGGCCTTTGCCATCCGCCTATTTCCCGAAAGGAGATCCAGCTTTGC  
 AAATGGCCAATGAGAAAGCACTGAGGCAGAAGGGTATAACTGTCAAACAGAAGAGGCAGTTTGTGCACTT  
 AGCTGTCCATGCAGAGAAGTCCACTCAGAGATTGTCAGCGTGAAGGAGATGAGAGACATTTGGTCTGG  
 ATCCCTGAGCGCTTTGCCCTCTGCCAACCCCTCCTGCTTCTCATCACTGCAGCATGGTACAGCCTAA  
 GCAGGTTCTATTTCCAGTGTGAAGGACATGAGCCACCCTCCTGCTCATCAAGACCACTAAAAGGAGGT  
 CTGTGGGCTTACCTGTCAACAGACTGGAGCGAGAGGACTAAATTCGGAGGCAAGCTGGGCTTCTTTGGG  
 ACTGGAGAATGCTTTGTTTTAGGCTGCAGCGGAAGTGCAGCGCTATGAGTGGGTGGTATCAAACACC  
 CAGAGCTGACCAAGGCAACATCCCTCAAGTCTTCAGAGGCTGCAGGCAGTTCTTCCCTCATCAGCCACTG  
 CTCTTCAGACCCCGCTGATCGGCTCTCCCTTTCTGGCTGCCCGGCACTTCAACCTGCCCTCCAAGACT  
 GAGTCCATGTTTATGGCTGGAGGCAATGACTGCCTCATCATTGGGGGAGGAGGTGGTCAAGCACTTACG  
 TTGATGGGACCTGAATCGAGGGCGCACTGGACACTGTGACACATTCAACAACCGCCCTCTGCTCTGA  
 GAACTTCTCATCGCAGCTGTGGAGGCTTGGGGCTTCCAAGACCCTGACACCGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001163852

**Insert Size:** 1668 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:**

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\\_001163852.1](#), [NP\\_001157324.1](#)

**RefSeq Size:** 7946 bp

**RefSeq ORF:** 1668 bp

**Locus ID:** 224617

**UniProt ID:** [Q3UUG6](#)

**Cytogenetics:** 17 A3.3

**Gene Summary:** May act as a GTPase-activating protein for Rab family protein(s) (PubMed:20727515). Involved in neuronal projections development, probably through a negative modulation of ARF6 function (PubMed:20727515).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (7) differs in the presence and absence of exons in the 5' UTR, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (b) is shorter than isoform a. Variants 4-8 encode the same isoform.  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.