

## Product datasheet for **MC219009**

### **Tbc1d24 (NM\_001163849) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tbc1d24 (NM_001163849) 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:** >MC219009 representing NM\_001163849  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACCCCCAGGGTACAATTGCTTTGTGGATAAGGACAAGATGGATGCATCCATCCAGGACCTGGGGC  
 CAAAGGAGCTGAACTGCACGGAGCTACAGGAGCTGAAGCAACTGGCACGGCAGGGTTACTGGGCTCAGAG  
 CCACACCTGCGCGGAAAGTGTACCAGCGCTGATCCGGGACATCCCCTGCCGCACAGTACACCTGAT  
 GCCAGCGTGTACAGTGACATTGTGGGAAGATTGTGGCAAGCACAGCAGCAGTAGTCTGCCCTGCCTG  
 AGTTTGTAGACAACACTCAGGTGCCACCTACTGCCTGAACACACGGGGTGAAGGGGCTGTGCGCAAGAT  
 CCTCTGTGATTGCCAACAGTCCCTGACATCTCCTTCTGCCCTGCCCTGCCTGCTGTGGTGGCCTTG  
 CTACTGCACTACAGCATCGATGAAGCTGAGTGTTCGAAAAGCCTGCCGCATCTTATCCTGCAATGACC  
 CCACCAAGAAGCTCATTGACCAGAGCTTCTGGCCTTTGAGTCTTCTGTATGACATTTGGGGACCTGGT  
 GAACAAGTACTGCCAGGCAGCCATAAACTGATGGTGGCCGTGTCAGAGGACGCTCTGCAGTCTACTCT  
 GACTGGCAGCGATGGCTCTTTGGGGAGCTGCCCTCAATTAATTTGCCCCGTGTTTTGATGTCTTCTTG  
 TAGAAGGCTACAAAGTATTGTACCGAGTTGCTCTGGCCATCCTCAAGTCTTCCACAAGGTGAGAGCAGG  
 ACAGCCCCCTTGAGTCAGACAATGTAAGCAAGACATCCGAATGTTTGTCAAGGACATTGCCAAGACAGTG  
 TCCCCTGAGAACTACTAGAGAAGGCCTTTGCCATCCGCCTATTTCCCGAAAGGAGATCCAGCTCTTGC  
 AAATGGCCAATGAGAAAGCACTGAGGCAGAAGGGTATAACTGTCAAACAGAAGAGTGTCTCACTTTCTAA  
 AAGGCAGTTTGTGCACTTAGCTGTCCATGCAGAGAACTCCACTCAGAGATTGTGACGCGTGAAGGAGATG  
 AGAGACATTTGGTCTGGATCCCTGAGCGCTTTGCCCTTGCCAACCCCTCCTGCTTTCTCATCACTGC  
 AGCATGGGTACAGCCTAAGCAGTTCTATTTCCAGTGTGAAGGACATGAGCCCACCCCTCCTGCTCATCAA  
 GACCACTCAAAGGAGGTCTGTGGGCTTACCTGTCAACAGACTGGAGCGAGAGGACTAAATTCGGAGGC  
 AAGCTGGCTTCTTTGGACTGGAGAATGCTTTGTTTTAGGCTGCAGCCGGAAGTGCAGCGCTATGAGT  
 GGGTGGTCATCAAACACCCAGAGCTGACCAAGGCAACATCCCTCAAGTCTTCAAGGCTGCAGGCAGTTC  
 TTCCCTCATCAGCCACTGCTCTTCAAGACCCGCTGATCGGCTCTCCCCTTCTGGCTGCCCGGCACTTC  
 AACCTGCCCTCAAAGACTGAGTCCATGTTATGGCTGGAGGCAATGACTGCCTCATATTGGGGAGGAG  
 GTGGTCAAGCACTCTACGTTGATGGGGACCTGAATCGAGGGCGCACTGGACACTGTGACACATTCAACAA  
 CCAGCCCCTCTGCTCTGAGAATCTCTCATCGCAGCTGTGGAGGCTTGGGGCTTCCAAGACCTGACACC  
 GAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001163849
- Insert Size:** 1686 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\\_001163849.1](#), [NP\\_001157321.1](#)

**RefSeq Size:** 7180 bp

**RefSeq ORF:** 1686 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 (3) lacks a segment of the 3' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same isoform (a). 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.