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# Product datasheet for MC218929

## Tbc1d24 (NM_173186) Mouse Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Tbc1d24 (NM_173186) 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:**

>MC218929 representing NM_173186
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACCCCCCAGGGTACAATTGCTTTGTGGATAAGGACAAGATGGATGCATCCATCCAGGACCTGGGGC
CAAAGGAGCTGAACTGCACGGAGCTACAGGAGCTGAAGCAACTGGCACGGCAGGGTTACTGGGCTCAGAG
CCACACCCTGCGCGGGAAAGTGTACCAGCGCCTGATCCGGGACATCCCCTGCCGCACAGTCACACCTGAT
GCCAGCGTGTACAGTGACATTGTGGGGAAGATTGTGGGCAAGCACAGCAGCAGTAGTCTGCCCTTGCCTG
AGTTTGTAGACAACACTCAGGTGCCCACCTACTGCCTGAACACACGGGGTGAAGGGGCTGTGCGCAAGAT
CCTCCTGTGTATTGCCAACCAGTTCCCTGACATCTCCTTCTGCCCTGCCCTGCCTGCTGTGGTGGCCTTG
CTACTGCACTACAGCATCGATGAAGCTGAGTGTTTCGAAAAAGCCTGCCGCATCTTATCCTGCAATGACC
CCACCAAGAAGCTCATTGACCAGAGCTTCCTGGCCTTTGAGTCTTCCTGTATGACATTTGGGGACCTGGT
GAACAAGTACTGCCAGGCAGCCCATAAACTGATGGTGGCCGTGTCAGAGGACGTCCTGCAGGTCTACTCT
GACTGGCAGCGATGGCTCTTTGGGGAGCTGCCCCTCAATTACTTTGCCCGTGTTTTTGATGTCTTCCTTG
TAGAAGGCTACAAAGTATTGTACCGAGTTGCTCTGGCCATCCTCAAGTTCTTCCACAAGGTGAGAGCAGG
ACAGCCCCTTGAGTCAGACAATGTAAAGCAAGACATCCGAATGTTTGTCAAGGACATTGCCAAGACAGTG
TCCCCTGAGAAACTACTAGAGAAGGCCTTTGCCATCCGCCTATTTTCCCGAAAGGAGATCCAGCTCTTGC
AAATGGCCAATGAGAAAGCACTGAGGCAGAAGGGTATAACTGTCAAACAGAAGAGGCAGTTTGTGCACTT
AGCTGTCCATGCAGAGAACTTCCACTCAGAGATTGTCAGCGTGAAGGAGATGAGAGACATTTGGTCCTGG
ATCCCTGAGCGCTTTGCCCTCTGCCAACCCCTCCTGCTCTTCTCATCACTGCAGCATGGGTACAGCCTAA
GCAGGTTCTATTTCCAGTGTGAAGGACATGAGCCCACCCTCCTGCTCATCAAGACCACTCAAAAGGAGGT
CTGTGGGGCTTACCTGTCAACAGACTGGAGCGAGAGGACTAAATTCGGAGGCAAGCTGGGCTTCTTTGGG
ACTGGAGAATGCTTTGTTTTTAGGCTGCAGCCGGAAGTGCAGCGCTATGAGTGGGTGGTCATCAAACACC
CAGAGCTGACCAAGGCAACATCCCTCAAGTCTTCAGAGGCTGCAGGCAGTTCTTCCCTCATCAGCCACTG
CTCTTCAGACCCCGCTGATCGGCTCTCCCCTTTCCTGGCTGCCCGGCACTTCAACCTGCCCTCCAAGACT
GAGTCCATGTTCATGGCTGGAGGCAATGACTGCCTCATCATTGGGGGAGGAGGTGGTCAAGCACTCTACG
TTGATGGGGACCTGAATCGAGGGCGCACTGGACACTGTGACACATTCAACAACCAGCCCCTCTGCTCTGA
GAACTTCCTCATCGCAGCTGTGGAGGCTTGGGGCTTCCAAGACCCTGACACCGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM_173186

**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).

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| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_173186.4, NP_775278.3 |
| **RefSeq Size:** | 7796 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]<br>Transcript Variant: This variant (4) uses an alternate splice site 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. |