

Product datasheet for **MR223971**

Tbc1d24 (NM_001163853) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d24 (NM_001163853) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbc1d24
Synonyms:	9630033P11; C530046L02Rik; mKIAA1171
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR223971 representing NM_001163853
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGACCCCCAGGGTACAATTGCTTTGTGGATAAGGACAAGATGGATGCATCCATCCAGGACCTGGGGC
 CAAAGGAGCTGAACTGCACGGAGCTACAGGAGCTGAAGCAACTGGCACGGCAGGGTTACTGGGCTCAGAG
 CCACACCTGCGCGGAAAGTGTACCAGCGCTGATCCGGGACATCCCCTGCCGCACAGTACACCTGAT
 GCCAGCGTGTACAGTGACATTGTGGGAAGATTGTGGCAAGCACAGCAGCAGTAGTCTGCCCTTGCCCTG
 AGTTTGTAGACAACACTCAGGTGCCACCTACTGCCTGAACACACGGGGTGAAGGGGCTGTGCGCAAGAT
 CCTCTGTGATTGCCAACAGTTCCTGACATCTCCTTCTGCCCTGCCCTGCCTGCTGTGGTGGCCTTG
 CTACTGCACTACAGCATCGATGAAGCTGAGTGTTCGAAAAGCCTGCCGCATCTTATCCTGCAATGACC
 CCACCAAGAAGCTCATTGACCAGAGCTTCTGGCCTTTGAGTCTTCTGTATGACATTTGGGGACCTGGT
 GAACAAGTACTGCCAGGCAGCCATAAACTGATGGTGGCCGTGTGAGAGGACGCTCTGCAGTCTACTCT
 GACTGGCAGCGATGGCTCTTTGGGGAGCTGCCCTCAATTAATTTGCCCCGTGTTTTGATGTCTTCTTG
 TAGAAGGCTACAAAGTATTGTACCGAGTTGCTCTGGCCATCCTCAAGTCTTCCACAAGGTGAGAGCAGG
 ACAGCCCCCTTGAGTCAGACAATGTAAGCAAGACATCCGAATGTTTGTCAAGGACATTGCCAAGACAGTG
 TCCCCTGAGAACTACTAGAGAAGGCCTTTGCCATCCGCCTATTTCCCGAAAGGAGATCCAGCTCTTGC
 AAATGGCCAATGAGAAAGCACTGAGGCAGAAGGGTATAACTGTCAAACAGAAGAGGCAGTTTGTGCACTT
 AGCTGTCCATGCAGAGAAGTCCACTCAGAGATTGTGACGCTGAAGGAGATGAGAGACATTTGGTCTGG
 ATCCCTGAGCGCTTTGCCCTCTGCCAACCCCTCCTGCTTCTCATCACTGCAGCATGGGTACAGCCTAA
 GCAGGTTCTATTTCCAGTGTGAAGGACATGAGCCACCCCTCCTGCTCATCAAGACCACTAAAAGGAGGT
 CTGTGGGCTTACTGTCAACAGACTGGAGCGAGAGGACTAAATTCGGAGGCAAGCTGGGCTTCTTTGGG
 ACTGGAGAATGCTTTGTTTTAGGCTGCAGCGGAAGTGCAGCGCTATGAGTGGTGGTCAATAACACC
 CAGAGCTGACCAAGGCAACATCCCTCAAGTCTTCAGAGGCTGCAGGCAGTTCTTCCCTCATCAGCCACTG
 CTCTTCAGACCCCGCTGATCGGCTCTCCCTTTCTGGCTGCCCGGCACTTCAACCTGCCCTCCAAGACT
 GAGTCCATGTTTATGGCTGGAGGCAATGACTGCCTCATCATTGGGGGAGGAGGTGGTCAAGCACTTACG
 TTGATGGGACCTGAATCGAGGGCGCACTGGACACTGTGACACATTCAACAACAGCCCTCTGCTCTGA
 GAACTTCTCATCGCAGCTGTGGAGCTTGGGGCTTCCAAGACCCTGACACCGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR223971 representing NM_001163853
 Red=Cloning site Green=Tags(s)

MDPPGYNCFVDKDKMDASIQDLGPKELNCTELQELKQLARQGYWAQSHTLRGKVVYQRLIRDIPCRVTPD
 ASVYSDIVGKIVGKHSSSLPLPEFVDNTQVPTYCLNTRGEGAVRKILLCIANQFPDISFPCALPAVVAL
 LLHYSIDEAECEFEKACRILSCNDPTKKLIDQSFLAFESSCMTFGDLVNKYCQAAHKLMVAIVEDLVQVYS
 DWQRWLFGELPLNYFARVDFVFLVEGYKLYRVALAILKFFHKVRAGQPLESDNVKQDIRMFVKDIAKTV
 SPEKLLKAFAIRLFSRKEIQLLQMANEKALRQKGITVKQKRQFVHLAVHAENFHSEIVSVKEMRDIWSW
 IPERFALCQPLLLFSSLQHGYSLSRFYFQCEGHEPTLLL IKTTQKEVCGAYLSTDWSERTKFGGKLGFFG
 TGECFVFRLLQPEVQRYEWWVIKHPKELTKATSLKSEAAGSSSLISHCSSDPADRLSPFLAARHFNLPSKT
 ESMFMAGGNDCLIIIGGGGQALYVDGDLNRGRTGHCDTFNNQPLCSENFLLIAAVEAWGFQDPDTE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_001163853

ORF Size: 1665 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001163853.1](#), [NP_001157325.1](#)
RefSeq Size: 7774 bp

RefSeq ORF: 1668 bp

Locus ID: 224617

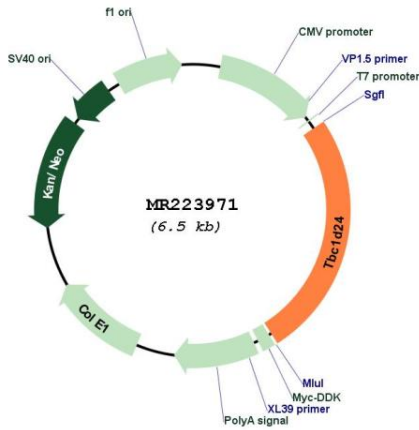
UniProt ID: [Q3UUG6](#)

Cytogenetics: 17 A3.3

MW: 63.1 kDa

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]

Product images:



Circular map for MR223971