

Product datasheet for **MR224767**

Tbc1d24 (NM_001163849) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d24 (NM_001163849) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tbc1d24
Synonyms:	9630033P11; C530046L02Rik; mKIAA1171
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR224767 representing NM_001163849
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCCCAGGGTACAATTGCTTTGTGGATAAGGACAAGATGGATGCATCCATCCAGGACCTGGGGC
 CAAAGGAGCTGAACTGCACGGAGCTACAGGAGCTGAAGCAACTGGCACGGCAGGGTTACTGGGCTCAGAG
 CCACACCTCGCGCGGAAAGTGTACCAGCGCTGATCCGGGACATCCCCTGCCGCACAGTACACCTGAT
 GCCAGCGTGTACAGTGACATTGTGGGAAGATTGTGGCAAGCACAGCAGCAGTAGTCTGCCCTTGCCCTG
 AGTTTGTAGACAACACTCAGGTGCCACCTACTGCCTGAACACACGGGGTGAAGGGGCTGTGCGCAAGAT
 CCTCTGTGATTGCCAACAGTCCCTGACATCTCCTTCTGCCCTGCCCTGCCTGCTGTGGTGGCCTTG
 CTACTGCACTACAGCATCGATGAAGCTGAGTGTTTCGAAAAGCCTGCCGCATCTTATCCTGCAATGACC
 CCACCAAGAAGCTCATTGACCAGAGCTTCTGGCCTTTGAGTCTTCTGTATGACATTTGGGGACCTGGT
 GAACAAGTACTGCCAGGCAGCCATAAACTGATGGTGGCCGTGTGAGAGGACGCTCTGCAGTCTACTCT
 GACTGGCAGCGATGGCTCTTTGGGGAGCTGCCCTCAATTAATTTGCCCCGTGTTTTGATGTCTTCTTG
 TAGAAGGCTACAAAGTATTGTACCGAGTTGCTCTGGCCATCCTCAAGTCTTCCACAAGGTGAGAGCAGG
 ACAGCCCCCTTGAGTCAGACAATGTAAGCAAGACATCCGAATGTTTGTCAAGGACATTGCCAAGACAGTG
 TCCCCTGAGAACTACTAGAGAAGGCCTTTGCCATCCGCCTATTTCCCGAAAGGAGATCCAGCTCTTGC
 AAATGGCAATGAGAAAGCACTGAGGCAGAAGGGTATAACTGTCAAACAGAAGAGTGTCTCACTTTCTAA
 AAGGCAGTTTGTGCACTTAGCTGTCCATGCAGAGAAGTCCACTCAGAGATTGTGACGCGTGAAGGAGATG
 AGAGACATTTGGTCTGGATCCCTGAGCGCTTTGCCCTTGCCAACCCCTCCTGCTCTTCTCATCACTGC
 AGCATGGGTACAGCCTAAGCAGTTCTATTTCCAGTGTGAAGGACATGAGCCCACCCCTCTGCTCATCAA
 GACCACTCAAAGGAGGCTGTGGGGCTTACCTGTCAACAGACTGGAGCGAGAGGACTAAATTCGGAGGC
 AAGCTGGGCTTCTTTGGGACTGGAGAATGCTTTGTTTTAGGCTGCAGCCGGAAGTGCAGCGCTATGAGT
 GGGTGGTCATCAAACACCCAGAGCTGACCAAGGCAACATCCCTCAAGTCTTCAAGGCTGCAGGCAGTTC
 TTCCCTCATCAGCCACTGCTCTTCAAGCCCGCTGATCGGCTCTCCCTTTCTGGCTGCCCGGCACTTC
 AACCTGCCCTCAAGACTGAGTCCATGTTGATGGCTGGAGGCAATGACTGCCTCATATTGGGGAGGAG
 GTGGTCAAGCACTCTACGTTGATGGGGACCTGAATCGAGGGCGCACTGGACACTGTGACACATTCAACAA
 CCAGCCCCTCTGCTCTGAGAATCTCTCATCGCAGCTGTGGAGGCTTGGGGCTTCCAAGACCTGACACC
 GAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224767 representing NM_001163849
 Red=Cloning site Green=Tags(s)

MDPPGYNCFVDKDKMDASIQDLGPKELNCTELQELKQLARQGYWAQSHTLRGKVYQRLIRDIPCRTVTPD
 ASVYSDIVGKIVGKHSSSLPLPEFVDNTQVPTYCLNTRGEGAVRKILLCIANQFPDISFCPALPAVVAL
 LLHYSIDEAEFEKACRILSCNDPTKLLIDQSFLAFESSCMTFGDLVNKYCQAAHKLMVAVSEDVLQVYS
 DWQRWLFGEPLNYFARVFDVFLVEGYKLYRVALAILKFFHKVRAGQPLESDNVKQDIRMFVKDIAKTV
 SPEKLLKAFAIRLFSRKEIQLLQMANEKALRQKGITVKQKSVLSKRQFVHLAVHAENFHSEIVSVKEM
 RDIWSWIPERFALCQPLLLFSSLQHGYSLSRFYFQCEGHEPTLLL IKTTQKEVCGAYLSTDWsertkfgg
 KLGFfgtgecfvrlqpevqryewvvikhpeltkatslksseaagssslishcSSDPADRLSPFLAARHF
 NLPsktesmfMAGGNDCLIIIGGGGQALYVDGDLNRGRTGHCDTFNnQPLcSenFLIAAVEAWGFQDPDT
 E

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

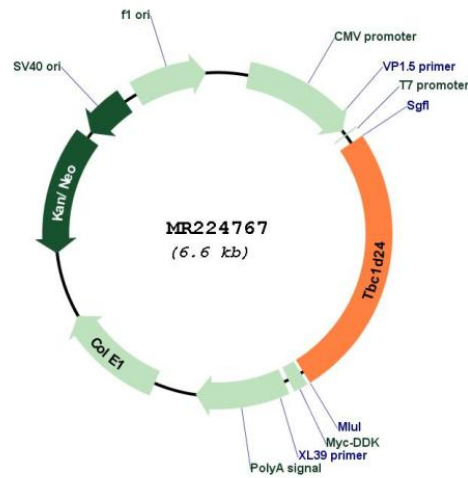
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001163849
 ORF Size: 1683 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:	<ol style="list-style-type: none">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
MW:	63.7 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]