

Product datasheet for **MG224010**

Tbc1d9 (NM_027758) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d9 (NM_027758) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tbc1d9
Synonyms:	4933431N12Rik; AI847101; AW490653; C76116
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG224010 representing NM_027758 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGTGGGTGAATCCGGAGGAGTACTGCTGGCCAACGCGCTGTGGATCACCGAGAGAGCCAAACCCCTACTCATTCTGCAACGAAGGAAGGGCCACGGGGGCGACGGGGGTGGCGGCGCGGATTGGCGGGCTCCTTGTGGTACCCTCGATGTGGTATTGGACTCCAGTGCCCGAGTCGCACCGTACCGAATCCTTTATCAAACCTCCAGACTCTAGTCTATTGGACCATTGCCTGTGGTGGCTCCAGGAAGGAGGTTACTGAGCACTGGGAATGGCTTGAACAGAACCTACTGCAGACACTCTCCATCTTTGAGAATGAGAATGACGTACCACATTTGTAAGAGGGAAAATACAGGTAACCATCGTGGAGAAGGCCGACAGCTGCAGTGTGCTCCCCAGCCCTCTGTCCATCAGCACAGGAACAGGATGACCTTCCTGTTCCGGAACCTTCAAAGACAGAGACTTCTGGTGCAGAGGATCTCAGATTTCTTGCAACGACTTCTAGGATCTACTCAGACAAAGAGTTTTCCAGGAAGCTGCAACAGCTCAGATGATGAGGTGATTTCTCGGCCAGCAGCCTCGTTTCTCCAGTCCCAGAGAAGCACAAGCTCGGATGCTGATGGAGAAGCCCTTTAACCTCAATGGCAACAGTGTCCCTACAGCCACCCAGACCCTCATGACCATGTACCGGCGCGATCTCCTGAAGAATTCAACCCAAAATTGGCCAAAGAGTTTTTGAAGAACAAGCCTGGAAATTCACTTTGCTGAGTATGGCAGGGAATCTGCATGTACCGCACAGAGAAGACCCGGGAGCTGGTGTGAAGGCATCCCAGAGAGCATGCGCGGAGAGCTCTGGCTGCTTTTCAGGGGCCATCAATGAAAAGGCCACACCCCGGTACTACGAGGGCCTCGTGGAGAAGTCGATGGAAAGTACAATCTGGCCACCGAGGAGATGAGAGAGACTTACACCGCTCCCTTCCAGAACACCCAGCTTTCCAGAACGAAATGGGCATCGCGGCTCTGAGGAGTCTTAACGGCTTATGCTTTTCGCAATCCCAACATAGGATACTGCCAGGCCATGAACATTGTCACTTCAGTCTACTGCTGTATGCCAAAGAGGAGGAGCCTTCTGGCTGCTTGTGGCCTTGTGTGAGCGCATGCTTCCCGACTACTACAACACAGAGTTGTAGGTGCCCTGGTGGACCAGGGAGTCTTCGAGGAGCTGGCTCGAGACTATGTCGCGAGCTGTACGACTGCATGCAGGACCTGGGGTGATCTCTACCATCTCCCTGTCGTGGTTCTCACACTTTCCTCAGTGTGATGCCATTTGAGAGTGCAGTGGTGGTGTGGACTGTTTCTCTATGAAGGAATCAAAGTGATATTTAGCTGGCTCTCGCTGTACTGGATGCCAACGTGGATAAATCTTGAAC



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TGCAAGGACGATGGAGAGGCCATGACTGTTTTGGGAAGGTACCTAGACAGTGTGACCAACAAAGACAGCA
 CCCTGCCTCCCATCCCCATCTCCACTCCCTGCTCAGTGACGACGTGGGGCCCTACCCTGCCGTGGACAT
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 TTCAAGCAGAGGCTGAAAGTGATCCAGACCCTGGAGGACACCACAAACGAATGTGGTACGGACCATTG
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 CAGCTGCTACTGGGTGGGAGCAGCAATGCCCTGGACCGACACGACCCAGCCTGCCTTACCTGGAGCAG
 TACCGCATCGACTTTGAGCAGTTCAAGGCATGTTCTGCTGCTCTTTCCCTGGGCGTGTGGCACACACT
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 GGAGCACTCCCTGGGAGGGCAGATGGAGGACATTAACACTGGAGGACTCCTCACCCAGGGACAACGGGGCC
 TGCTCCTCCATGTTGATCTCCGATGATGACACCAAGGATGACAGCTCCATGTCATCCTACTCGGTGCTGA
 GCGCCGGCTCCCACGAGGAGGACAACTGCACTGTGAGGACATTTGGAGAGGACACAGTCTGGTGCCTAG
 CAGTCAGGATAGACCCACCTGCCAGGAGCAGCAGCCTGGACCCGGACTGGCCATCACCTTTGAGCAG
 TTCTGGCCTCGCTTTGACGGAGCCCGCTCTCGTGAGGTAATTTGACAAGCCAGTGTGCATGATGGCCA
 GGGTCACCAGTGCAGAAGAATCCGATGATGGCAAGCCCTCACCTCAGCCAGTGACTATGAAATCTC
 TGCCCTGTCGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224010 representing NM_027758
 Red=Cloning site Green=Tags(s)

MWNPPEVLLANALWITERANPYFILQRRKGHGGDGGGGGLAGLLVGLTDVVLDSARVAPYRILYQTP
 DSLVYWTIACGGSRKEVTEHWLEQNLQTLSEFENENDVTTFRGKIQVTIVEKADSCSVLPSPLSIS
 TRNRMFLFANLKDRDFLVQRISDFLQQTTSRIYSDKEFSGSCNSSDDEVYSRPSLVSSSPQRSTSSDA
 DGERPFNLNGNSVPTATQTLMTMYRRRSPEEFNPKLAKEFLKEQAWKIHFAYEGQICMYRTEKRELVL
 KGIPESMRGELWLLLSGAINEKATHPGYIEGLVEKSMGKYNLATEEIERDLHRSLPEHPAFQNMGIAAL
 RRVLTAAYAFRNPNI GYCQAMNIVTSVLLL YAKEEEAFWLLVALCERMLPDYINTRVVGALVDQGVFEELA
 RDYVPQLYDCMQDLGVIISTISLSWFLTLFLSVMPFESAVVVVDCFFYEGIKVIFQLALAVLDANVDKLLN
 CKDDGEAMTVLGRYLDVSNKDSLPPIPHLHSLSDDVGPYPVAVDIFRLIGTSYEKFGTIRADLIEQMR
 FKQRLKVIQTLQEDTTKRNVRTIVTETSFTIDELEELYALFKAHLTSCYWGSSNALDRHPSLPYLEQ
 YRIDFEQFKGMFVLLFPWACGTHSDVLSRFLQLLDENGDSLINFREFVSGLSAACHGDLTEKLKLLYKM
 HVLPEPSCDQDEPDSAFEATQYFFEDITPECTHVVGLDSRGKQSADDFVTVSLKQDRGKRANSQENRNY
 LKLWTAENKSKSKTAKDLPKLNQQQFIELCKTMYNMFSEDPNEQELYHATAAVTSLLEIGEVGKFFITQ
 PAKEDAVPGPPCQAIPGMLFPKKGSSQSYVVESTEPLTASLAVDSEHSLGGQMEDIKLEDSSPRDNGA
 CSSMLISDDDTKDDSSMSSYSVL SAGSHEEDKLHCEDIGEDTVLVRSSQGRATLPRSSSLDRDWAITFEQ
 FLASLLTEPALVRYFDKPVCMARVTSAKNIRMMGKPLTSASDYEISALSG

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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_027758.4 , NP_082034.1
RefSeq Size:	5149 bp
RefSeq ORF:	3096 bp
Locus ID:	71310
UniProt ID:	Q3UYK3
Cytogenetics:	8 C2
Gene Summary:	May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]