

## Product datasheet for MR211436

### Tbc1d9 (BC057027) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tbc1d9 (BC057027) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tbc1d9  
**Synonyms:** 4933431N12Rik; AI847101; AW490653; C76116  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR211436 representing BC057027  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAAGGATTTGAACAGGACCGGTCCCTGCCTAACTCAAGAAGAAATCTCCAAAAAAGTATCTGCTC  
 TGAACCGTGATCTGGATGCCAGAGCGAAGAGCGAGCGATACCGCGCCCTTTCCGGCTGCCCAAAGACGA  
 AAAGCTAGACGGGCACACTGACTGCACCCTCTGGACTCCATTTAACAAGATGCACATTTGGGTGAGATG  
 TTCGTCCTCCACTAATTACATCTGTTTTACCAGCAAGGAGGAAAACCTCTGCAGCCTCATAATCCACTCC  
 GGAAGTAACCATCGTGGAGAAGGCCGACAGCTGCAGTGTGCTCCCCAGCCCTCTGTCCATCAGCACCAG  
 GAACAGGATGACCTTCTGTTCCGCGAAGTTGAAAGACAGAGACTTCTGGTGCAGAGGATCTCAGATTTCT  
 TTGCAGCAAACGACTTCTAGGATCTACTCAGACAAAGAGTTTTTCAGGAAGCTGCAACAGCTCAGATGATG  
 AGGTGTATTCTCGGCCAGCAGCCTCGTTTTCTCCAGTCCCAGAGAAGCACAAGCTCGGATGCTGATGG  
 AGAACGCCCTTTAACCTCAATGGCAACAGTGTCCCTACAGCCACCCAGACCCCTCATGACCATGTACCGG  
 CGGCGATCTCTGAAGAATTCAACCCAAAATGGCCAAAGAGTTTTTGAAGAACAAGCCTGGAAGATTC  
 ACTTTGCTGAGTATGGGCAGGGAATCTGCATGTACCGCACAGAGAAGACCCGGGAGCTGGTGTGAAGGG  
 CATCCCAGAGAGCATGCGCGGAGAGCTCTGGCTGCTGCTTTCAGGGGCCATCAATGAAAAGGCCACACAC  
 CCCGGTACTACGAGGGCTCGTGGAGAAGTCGATGGGAAAGTACAATCTGGCCACCGAGGAGATTGAGA  
 GAGACTTACACCGCTCCCTTCCAGAACACCCAGCTTTCAGAACGAAATGGGCATCGCGGCTCTGAGGAG  
 AGTCTTAACGGCTTATGCTTTTCGCAATCCCAACATAGGATACTGCCAGGCCATGAACATTGTCACTTCA  
 GTGCTACTGCTGTATGCCAAAGAGGAGGAGGCCTTCTGGCTGCTTGTGGCCTTGTGTGAGCGCATGCTTC  
 CCGACTACTACAACACCAGAGTTGTAGGTGCCCTGGTGGACCAGGGAGTCTTCGAGGAGCTGGCTCGAGA  
 CTATGTCCCGCAGCTGTACGACTGCATGCAGGACCTGGGGGTGATCTCTACCATCTCCCTGTCGTGGTTC  
 CTCACACTTCTCCTCAGTGTGATGCCATTTGAGAGTGCAGTGGTGGTTGTGGACTGTTTCTTCTATGAAG  
 GAATCAAAGTGATATTTAGCTGGCTCTCGCTGTACTGGATGCCAACGTGGATAAATCTTGAAGTCAA  
 GGACGATGGAGAGCCATGACTGTTTTGGGAAGGTACCTAGACAGTGTGACCAACAAGACAGCACCTG



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CCTCCCATCCCCATCTCCACTCCCTGCTCAGTGACGACGTGGGGCCCTACCCTGCCGTGGACATCTTCA  
 GACTCATAGGGACGTCTTACGAGAAATTTGAACTATCCGGGCCGATTTGATTGAGCAGATGCGATTCAA  
 GCAGAGGCTGAAAGTGATCCAGACCCTGGAGGACACCACAAACGAATGTGGTACGGACCATTGTGACG  
 GAGACGTCCTTACCATCGATGAGCTGGAAGAAGTGTACGCTCTTTTCAAGGCTGAGCATCTGACCAGCT  
 GCTACTGGGGTGGGAGCAGCAATGCCCTGGACCGACACGACCCAGCCTGCCTTACCTGGAGCAGTACCG  
 CATCGACTTTGAGCAGTCAAGGGCATGTTCTGTGCTGCTTTCCCTGGGCGTGTGGCACACACTCCGAT  
 GTGCTGGCCTCCCGCCTGTTCCAGCTGTTAGATGAGAATGGAGACTCCTTGATTAACCTCCGAGAGTTCG  
 TCTCTGGGCTGAGTGTGCATGCCATGGGGACCTCACAGAGAACTCAAACCTCCTGTACAAGATGCACGT  
 CTTGCCTGAGCCATCCTGTGATCAAGATGAGCCTGACTCCGCCTTTGAAGCCACTCAGTACTTTTTTGA  
 GACATACCCCAGAATGCACACATGTTGTTGGCTTGGACAGTAGAGGCAAGCAGAGTGGCAGCAGCGCT  
 TCGTCACAGTGAAGCAGGACAGAGGAAAAGGGCAAATCTCAAGAAAACCGTAATTACCTAAA  
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 TCCAGCCAGTCTATGTGGTGGAGTCCACAGAGCCACTCACAGCTAGCCTGGCAGTGGACAGTGAAGGAGC  
 ACTCCCTGGGAGGGCAGATGGAGGACATTAACCTGGAGGACTCCTCACCCAGGGACAACGGGGCCTGCTC  
 CTCATGTTGATCTCCGATGATGACACCAAGGATGACAGCTCCATGTCATCCTACTCGGTGCTGAGCGCC  
 GGCTCCCACGAGGAGGACAACTGCACTGTGAGGACATTGGAGAGGACACAGTCTGCTGCGTAGCAGTC  
 AGGGTAGAGCCACCCTGCCCAGGAGCAGCAGCCTGGACCCGGACTGGGCCATCACCTTTGAGCAGTTCCT  
 GGCCTCGCTTTGACGGAGCCCGCTCTCGTGAGGTACTTTGACAAGCCAGTGTGCATGATGGCCAGGGTC  
 ACCAGTGCGAAGAACATCCGTATGATGGCAAGCCCTCACCTCAGCCAGTGACTATGAAATCTCTGCC  
 TGTCCGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR211436 representing BC057027  
 Red=Cloning site Green=Tags(s)

MKDLNRTGPCLNSRRNLPKKVSAKRDLDARAKSERYRALFRLPKDEKLDGHTDCTLWTFPNKMHILGQM  
 FVSTNYICFTSKEENLCSLIIPLEVTIVEKADSCSVLPSPLSISTRNRMFLFANLKDRDFLVQRI SDF  
 LQQTTSRIYSDKEFSGSCNSSDDEVYSRPSLVSSSPQRSTSSDADGERPFNLNGNSVPTATQTLMTMYR  
 RRSPEEFNPKLAKFLKEQAWKIHFAEYQGICMYRTEKTRELVLKGIPEMRGELWLLLSGAINKATH  
 PGYYEGLVEKSMGKYNLATEEIERDLHRSLPEHPAFQNMGIAALRRVL TAYAFRNPNIYGCQAMNIVTS  
 VLLLYAKEEEAFWLLVALCERMLPDYYNTRVVGALVDQGVFEELARDYVPQLYDCMQDLGVIISTISL SWF  
 LTLFLSVMPPFESAVVVVDCFFYEGIKVIFQLALAVLDANVDKLLNCKDDGEAMTVLGRYLD SVTNKDSTL  
 PPIPHLHSLLSDDVGPYPVDIFRLIGTSYEKFTIRADLIEQMRFKQRLKVIQTLEDTTKRNVRTIVT  
 ETSFTIDELEELYALFKAELTSCYWGGSSNALDRHPSLPYLEQYRIDFEQFGMFVLLFPWACGTHSD  
 VLASRLFQLLDENGDSLINFREFVYVGLSAACHGDLTEKLLKLYKMHVLPSPCDQDEPDSAFEATQYFFE  
 DITPECTHVVGLDSRGKQSADDFVTVSLKQDRGKRANSQENRNYLKLWTAENKSKSKTAKDLPKLNQGG  
 FIELCKTMYNMFSEDPNEQELYHATAAVTSLLEIGEVGKFFITQPAKEDAVPGPPCQAIPGMLFPKKG  
 SSQSYVVESTEPLTASLAVDSEEHSLGGQMEDIKLEDSSPRDNGACSSMLISDDDTKDDSSMSSYSVLSA  
 GSHEEDKLHCEDIGEDTVLRSSQGRATLPRSSSLDRDWAITFEQFLASLLTEPALVRYFDKPVCMMARV  
 TSAKNIRMMGKPLTSASDYEISALSG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** BC057027

**ORF Size:** 3018 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.

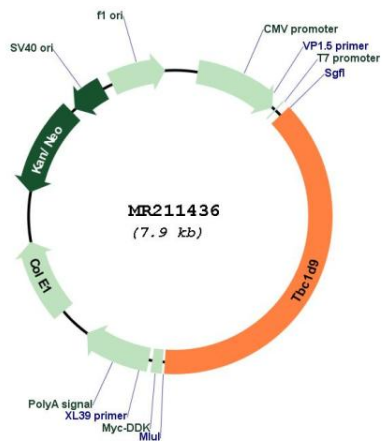
**RefSeq:** [BC057027.1](#)

**RefSeq Size:** 4453 bp

**RefSeq ORF:** 3020 bp

Locus ID: 71310  
 Cytogenetics: 8 C2  
 MW: 163.2 kDa  
 Gene Summary: May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR211436