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Product datasheet for MC224051

Tbc1d9b (NM_029745) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d9b (NM_029745) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d9b
Synonyms:	2700008N14Rik; AU019384; RP23-319B15.5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC224051 representing NM_029745
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGCTCGGGCCCGAGGAGGTGCTGGTGGCTAACGCGCTATGGGTGACGGAGCGGGCCAACCCCTTCT
TCGTGCTGCAGCGGCGCCGAGGCCACGGCAAGGGCGGAGGCCTCACGGGTCTTCTTGTGGGCACCCTGGA
TGTGGTGCTGGACTCCAGCGCCCGTGTGGCCCCTTACCGCATCCTGCACCAGACCCAGGACTCGCAGGTC
TACTGGATAGTGGCATGTGGTTCTTCCCGAAAAGAGATCACCAAACACTGGGAATGGCTGGAAAACAACT
TGCTTCAGACACTGTCCATCTTCGACAACGAGGAGGACATCACTACCTTCGTCAAGGGCAAGATACACGG
CATCATCGCAGAAGAGAACAAGAACCTGCAGCCCCAGGGGGACGAGGACCCAGGGAAATTCAAGGAGGCA
GAGCTAAAGATGCGGAAGCAGTTCGGCATGCCAGAGGGCGAGAAGCTGGTCAACTACTACTCCTGTAACT
TCTGGAAGGGCCGCGTGCCGCGCCAGGGCTGGCTCTACCTGACCGTCAACCACCTGTGCTTCTACTCCTT
CCTGCTGGGGAAGGAAGTGAGCCTGGTGGTACAGTGGGTGGACGTCACACGCCTGGAGAAGAATGCCACT
TTACTCTTCCCCGAGAGCATCCGTGTGGACACACGGGACCAGGAGCTGTTTTTCTCCATGTTCCTAAACA
TTGGCGAGACCTTCAAGCTTATGGAGCAGCTGGCCAACCTGGCCATGCGACAACTGCTGGACAGCGAGGG
CTTCCTGGAGGACAAGGCCCTACCCAGGCCTATCCGGCCACATAAGAACATCTCAGCTCTAAAGCGAGAC
CTAGATGCCCGAGCCAAGAATGAGTGCTACAGGGCCACGTTCCGGCTACCCAAAGACGAGCGGCTGGATG
GCCACACAGGCTGCACCCTATGGACGCCATTTAACAAGCTACATATCCCCGGCCAGATGTTCATCTCCAA
TAACTACATCTGCTTTGCCAGCAAGGAGGAAGATGCGTGCCGCCTCATCATACCCCTGAGGGAGGTGACC
ATTGTTGAAAAAGCCGACAGCTCCAGCGTCCTCCCCAGCCCTCTGTCTATCAGCACCAAGAGTAAAATGA
CCTTCCTGTTTGCCAACCTGAAAGACCGTGACTTCCTGGTTCAGAGGATCTCTGACTTCCTCCAGAAAAC
GCCGTCCAAGCAGACGGGCAGCAGCATTGGGGGAACAAAGGCCAGTGTTTCAGACCCAGCCCCAGAGTCT
CTCCCAACTCCACAGGAGGCTTCTGAGCCACCCGCAAGCCCATCCTCTCCCCTCAGCAGCCCTCCGAGTT
TCAGTACCCAGGAGATTCCTACTACTTCCCAGGGCCTGCTCAAAGTCTTCCAGAAGAACTCACCCATGGA
GGACCTTGGCGCCAAAGGGGCCAAGGAGAAGATGAAGGAGGAATCCTGGAACATCCACTTCTTTGAGTAC
GGGCGTGGCATGTGCATGTACCGAACAGCCAAAACCCGGGAGCTGGTCCTGAAAGGCATCCCTGAGAGCC

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TCCGAGGGGAGCTTTGGCTCCTCTTCTCTGGGGCCTGGAATGAGATGGTGACCCATCCCGGCTACTACGC
TGAGCTAGTGGAGAAGTCCCTGGGGAAGTACAGCTTGGCTACCGAGGAGATAGAGCGGGACCTCCATCGC
TCCATGCCCGAGCACCCTGCTTTCCAGAATGAGCTCGGGATCGCTGCGCTCCGGCGGGTGCTGACTGCCT
ACGCCTTCCGAAACCCTACTATTGGCTACTGCCAGGCAATGAACATCGTGACTTCCGTGCTCCTGCTCTA
CGGCAGTGAGGAGGAAGCCTTCTGGCTGCTGGTGGCCCTGTGTGAGCGCATGCTGCCCGACTACTACAAC
ACCAGGGTAGTGGGAGCCCTCGTAGACCAGGGCATCTTTGAAGAGCTCACGAGAGATGTCCTGCCCCGGC
TCTCAGAGAAGATGCAAGAGCTGGGGGTGATCTCCAGCATCTCGCTGTCCTGGTTCCTGACCCTCTTCCT
CAGCGTCATGCCCTTTGAGAGCGCCGTGGTCATTGTCGACTGCTTCTTCTACGAGGGCATCAAGGTGATC
CTGCAGGTGGCCCTGGCTGTGCTGGACGCCAACGTGGAGCAGCTGCTGGACTGCAATGACGAGGGCGAGG
CCATGACCGTGCTGGGCAGGTACCTGGACAATGTGGTCAACAAGCAGAGCATTTCTCCACCTATCCCACA
CCTCCACGCTCTGCTGACCAGTGGAGATGACCCTCCTGTGGAGGTGGACATCTTTGACCTCCTGAGAGTA
TCCTACGAGAAGTTCAGCAACCTGAGGGCTGACGACATTGAACAGATGCGGTTTAAACAGAGGCTGAAGG
TGATCCAGTCCTTGGAAGACACGGCTAAGAGAAGCGTGGTCCGAGCCATACCAGGGGACATCGGCTTCTC
CATTGAAGAGCTGGAGGATCTTTACATGGTGTTTAAGGCCAAGCATCTGGCAAGCCAGTACTGGGGTGGT
AACCGCTCAGCAGCCGTCCACCGAGACCCCAGCCTGCCCTACCTGGAGCAGTACCGGATCGATGCCAGCC
AGTTTCGGGAGCTCTTTGCCAGCCTGACGCCTTGGGCCTGTGGCTCTCACACGCCTGTGTTGGCAGGCCG
CATGTTCCGACTCCTGGATCAAAACAAGGACTCACTGATCAACTTCAAGGAGTTTGTGACAGGGATGAGT
GGGATGTACCATGGAGACCTCACTGAGAAGCTCAAGGCGCTCTACAAACTGCACCTGCCCCCAGCTCTGA
TCCCAGAGGAAGCCGAGTCAGCCCTGGAGGCCGCCCATTACTTCACAGAGGATAGCTCCTCGGAAGCACT
GCTACAGGAGCAGCAGGAAGGAAGTGGAAATGAGGACACCCCAGAAAGAAGAGAGGAGAAGGGGACCAGC
CCTCCTGACTACCGACACTACCTTCGAATGTGGGCTAAGGAAAAAGAGGCTCAGAAGGAAACCATTAAGG
ACCTTCCCAAGATGAACCAGGAGCAATTCATCGAGCTGTGTAAAACACTTTACAACATGTTTAGCGAAGA
CCCTATGGAACAGGACTTGTATCATGCCATCGCCACTGTGGCCAGCCTTCTCCTCCGCATTGGTGAGGTG
GGGAAGAAGTTTTCGGCCCTGACAACCAAGAAGCCCAGGGATGGTGCCCACAGTGGGGATCCCAACAGTG
CCACAGAAGAGGATGAACCACCCACACCCAAACTCCATCAGGACCCAACACAGGAATGTCAGCCACCAGC
TGCAGGGGACCGGCAGGCCAAAGCCAGTGGCGACATGCATCTCGGGAAAGCATTGCAGGATAGTCATGTG
ATAGTGGAGGGAGGCAGCGGTGAGGGGCAGGGCTCTCCTTCCCTGCTTTTGTCTGATGATGAAACCAAAG
ATGACATGTCCATGTCCTCTTACTCAGTAGTCAGCACGGGCTCACTGCAGTGCGAGGACCTCACGGAAGA
CACGGTGCTGGTGGGAGGAGGAGCCTGCAGCCCCACCGCCACCTCACGGGCGGGGGGCACTGTGGACACA
GACTGGTGCATTTCCTTCGAGCAGATCCTGGCCTCCATCCTAACAGAGTCTGTGCTAGTGAACTTCTTTG
AGAAGAGGGTAGACATTGGACTCAAGATCAAGGACCAAAAGAAAGTAGAAAGGCAGTTTAGCACCTCCAG
TGACCATGAGCCCCCTGGGGTCTTGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_029745

Insert Size: 3741 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).

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_029745.2, NP_084021.2
RefSeq Size:	5225 bp
RefSeq ORF:	3741 bp
Locus ID:	76795
UniProt ID:	Q5SVR0
Cytogenetics:	11 B1.3
Gene Summary:	May act as a GTPase-activating protein for Rab family protein(s).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) lacks an exon in the central coding region but maintains reading frame, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1.