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Product datasheet for MC223794

Tbc1d1 (NM_019636) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tbc1d1 (NM_019636) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tbc1d1
Synonyms:	1110062G02Rik; AI385682; AW555803; mKIAA1108; Nob1; Nobq1; Tbc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223794 representing NM_019636
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCAATCACATTCACAGCGAGGAAGCATCCGTTCCCTAACGAAGTCTCCGTGGACTTCGGCTTGC
AGCTGGTGGGCTCCTTACCCGTGCATTCTCTCACCACTATGCCCATGCTGCCGTGGGTGGTAGCCGAGGT
ACGAAGACTCAGTGGCCAGTGCTCTAAAAAGGAGCCTAGGACAAAGCAAGTCCGCCTTTGGGTTTCGCCC
TCCGGACTGCGGTGCGAGCCTGACCTGGAGAAAAGTCAACCATGGGACCCGCTCATCTGTTCCAGCATCT
TTGAGTGCAAGCCTCAGCGTGTGCACAAACTGATTCACAACAGTCACGACCCGAGCTACTTTGCTTGCCT
CATTAAGGAGGATGCTGCGCACAGGCAGAGCCTCTGCTATGTGTTTAAAGCAGACGATCAAACAAAAGTG
CCTGAGATCATCAGCTCCATCCGGCAGGCCGGGAAGATTGCCCGCCAGGAAGAGCTGCGTTGCCCCTCCG
AGTTCGACGATACCTTCGCCAAAAAGTTCGAGGTGCTCTTCTGTGGCCGGGTGACTGTGGCTCACAAGAA
GGCCCCACCCGCACTGATTGACGAGTGTATCGAGAAGTTCAACCATGTGAGCTGTGGTCGCAGAACGGAC
TGGGAAGCGCCCACCGGGCAGCCATCAGCGCCTGGCCCCAGGCCCATGCGCAAATCCTTCTCACAGCCTG
GACTGCGCTCGCTGGCCTTCAGGAAGGAGTTCCAGGACGCTAGCCTCCGCAGTAGCACCTTTAGCTCCTT
TGACAATGACATAGAGAACCACCTCATCGGTGGGCACAATGTGGTTCAGCCCACAGACATGGAGGAGAAC
CGAACTATGCTGTTCACGATTGGCCAATCTGAAGTTTACCTCATCAGTCCTGACACCAAAAAGATTGCAC
TGGAGAAAAATTTTAAGGAGATATCCTTTTGCTCTCAGGGCATCAGACATGTGGACCACTTTGGATTCAT
CTGCCGAGAGTGCTCGGGTGGCGGCAGTGGCGGCTTTCATTTTGTCTGTTACGTGTTCCAGTGCACAAAT
GAAGCTCTGGTTGACGAGATCATGATGACTCTGAAGCAGGCTTTCACGGTAGCTGCGGTGCAGCAGACGG
CTAAGGCACCAGCCCAGCTCTGTGAGGGCTGCCCCTTGCAAGGCCTGCACAAGCTCTGCGAAAGGATAGA
GGGAATGAATTCATCTAAAACCAAATTAGAACTCCAGAAGCACTTGACCACACTGACCAATCAGGAGCAG
GCCACCATATTCGAGGAGGTTCAGAAATTGAGACCAAGAAACGAGCAGCGAGAGAATGAATTAATTATTT
CTTTTCTGAGGTGCTTATATGAAGAGAAGCAAAAAGAGCACAGCCACACTGGGGAGCCAAAGCAGACACT
ACAGGTGGCAGCAGAGAATATTGGGAGTGACCTGCCACCCAGTGCTAGCCGGTTCAGGTTAGATTCGCTG
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AAGAACAGAGCAAAGAGGTCCTTAACAGAGTCCCTAGAGAGCATTCTGTCCCGGGGTAATAAAGCCAGAG
GCCTGCAGGACCATTCCGCCAGTGTGGATCTGGACAGCTCCACTTCTAGTACTCTAAGTAACACCAGCAA
AGAGCTGTCCATGGGTGACAAGGAGGCCTTCCCCGTCTCTGAGACCTCCTTCAAGCTCCTTGGCTCCTCA
GATGACCTGTCCAGTGACTCAGAGGGCCACATTGCAGAAGAGTCTGCCCTGTTGTCACCCCAGCAGGCGT
TCAGAAGGAGAGCCAACACCCTGAGTCATTTCCCAGTAGAGTGCCCTGCGCCTCCAGAACCTGCCCAGAG
CTCTCCAGGGGTCTCTCAAAGGAAACTCATGCGGTACCACTCCGTGAGCACAGAGACGCCTCATGAACGC
AAGGACTTTGAATCCAAAGCAAACCACCTGGGTGACACAGATGGGACCCCCGTGAAGACCCGGCGGCACT
CGTGGAGACAGCAGATATTCCTTCGAGTGGCCACTCCACAGAAGGCTTGTGACTCCCCGAGCAGATATGA
AGATTATTCCGAGCTGGGAGAGCTCCCTCCACGCTCCCCTTTAGAACCGGTGTGTGAGGACGGCCCATTT
GGCCCAGTACAGGAAGAAAAGAGGAAGACGTCACGCGAGCTTCGAGAGCTGTGGAAAAAGGCCATCTTGC
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CAAACGCCTCAAGCTTGACTATGAAGAAATCACTCCGTGTCTTAAAGAAGTCACTACAGTGTGGGAAAAG
ATGCTTAGCACTCCAGGAAGATCCAAAATTAAGTTTGACATGGAAAAAGTGCACTCAGCTGTTGGGCAAG
GTGTGCCACGTCATCACCGAGGTGAGATCTGGAAATTTCTAGCTGAGCAGTTCCACCTTAAACACCCATT
TCCTAGTAAACAGCAGCCAAAGGACGTGCCCTACAAAGAGCTCCTGAAGAAGCTGACCTCGCAGCAGCAC
GCCATTCTCATCGACCTCGGGCGAACCTTTCCAACACATCCATACTTCTCTGCCCAGCTTGGAGCAGGTC
AGCTGTCACTTTACAACATTCTGAAGGCCTACTCGCTTCTGGACCAGGAGGTTGGATACTGCCAAGGTCT
CAGCTTTGTGGCAGGCATTTTGCTTCTTCACATGAGTGAGGAAGAGGCGTTCAAGATGCTCAAGTTCCTG
ATGTTTGACATGGGGCTGCGGAAACAGTATCGGCCAGACATGATTATTTTGCAGATCCAGATGTACCAGC
TGTCACGGCTCCTCCACGATTACCACCGAGACCTCTACAACCACCTGGAAGAGCACGAGATCGGCCCCAG
CCTCTACGCGGCTCCCTGGTTTCTCACTGTGTTCGCCTCACAGTTCCCACTCGGCTTTGTAGCCAGAGTC
TTTGATATGATCTTCCTTCAGGGATCAGAGGTCATATTTAAAGTAGCTTTAAGTCTTTTGGGGAGCCATA
AGCCCTTGATTCTACAGCATGAGAACCTGGAAACCATAGTGGACTTCATAAAGAACACACTCCCCAACCT
GGGCCTGGTGCAGATGGAGAAGACCATCAGTCAGGTGTTTGAGATGGACATCGCCAAGCAGCTCCAGGCC
TATGAGGTCGAGTACCACGTGCTCCAGGAGGAGCTTATTGAGTCCTCGCCTCTCAGTGACAACCAAAGAA
TGGAGAAATTGGAGAAAACCAACAGCAGCTTGCGCAAACAGAACCTTGACCTCCTGGAGCAGTTGCAGGT
GGCAAATGCTAGGATCCAAAGCCTTGAAGCCACGGTAGAGAAACTTCTTACCAGCGAGAGTAAGCTGAAG
CAGGCTGCGCTGACCCTGGAGGTGGAGCGCTCCGCCCTGCTGCAGATGGTGGAGGAGCTGCGGAGGCAAA
GCGCCCGGCCCAGCACTCCAGAGCCAGACTGCACCCAGCTGGAGCCCACAGGCGATTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_019636

Insert Size: 3489 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).

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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_019636.3, NP_062610.2
RefSeq Size:	5383 bp
RefSeq ORF:	3489 bp
Locus ID:	57915
Cytogenetics:	5 32.8 cM
Gene Summary:	May act as a GTPase-activating protein for Rab family protein(s). May play a role in the cell cycle and differentiation of various tissues. Involved in the trafficking and translocation of GLUT4-containing vesicles and insulin-stimulated glucose uptake into cells.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

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