

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 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >MC223794 representing NM_019636 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGAGGCAATCACATTCACAGCGAGGAAGCATCCGTTCCCTAACGAAGTCTCCGTGGACTTCGGCTTGC
AGCTGGTGGGCTCCTTACCCGTGCATTCTCTACCACTATGCCCATGCTGCCGTGGTGGTAGCCGAGGT
ACGAAGACTCAGTGGCCAGTGTCTAAAAAGGAGCCTAGGACAAAGCAAGTCCGCCTTTGGGTTTCGCC
TCCGGACTGCGGTGCGAGCCTGACCTGGAGAAAAGTCAACCATGGGACCCGCTCATCTGTCCAGCATCT
TTGAGTGAAGCCTCAGCGTGTGCACAACTGATTCACAACAGTCACGACCCGAGCTACTTTGCTTGCCCT
CATTAAGGAGGATGCTGCGCACAGGCAGAGCCTCTGCTATGTGTTTAAAGCAGACGATCAAAACAAAAGTG
CCTGAGATCATCAGCTCCATCCGGCAGGCCGGGAAGATTGCCCGCAGGAAGAGCTGCGTTGCCCTCCG
AGTTCGACGATACCTTCGCCAAAAGTTCGAGGTGCTCTTCTGTGGCCGGGTGACTGTGGCTCACAAGAA
GGCCCCACCCGACTGATTGACGAGTGTATCGAGAAGTCAACCATGTGAGCTGTGGTCCGAGAACGGAC
TGGGAAGCGCCACCCGGCAGCCATCAGCGCCTGGCCCCAGGCCATGCGCAAATCCTTCTCACAGCCTG
GACTGCGCTCGTGGCTTCAGGAAGGAGTTCAGGACGCTAGCCTCCGACAGTACACCTTTAGCTCCTT
TGACAATGACATAGAGAACCACCTCATCGTGGGCACAATGTGGTTCAGCCACAGACATGGAGGAGAAC
CGAACTATGCTGTTACGATTGGCCAATCTGAAGTTTACCTCATCAGTCTGACACCAAAAAGATTGCAC
TGGAGAAAAATTTAAGGAGATATCCTTTTGTCTCAGGGCATCAGACATGTGGACCACTTTGGATTGAT
CTGCCGAGAGTGTGCGGTGGCGCAGTGGCGCTTTCATTTTGTCTGTTACGTGTTCCAGTGCACAAAT
GAAGCTCTGGTTGACGAGATCATGATGACTCTGAAGCAGGCTTTCACGGTAGCTGCGGTGCAGCAGACGG
CTAAGGCACCAGCCAGCTCTGTGAGGGTGCCTTGAAGGCCTGCACAAGCTCTGCGAAAGGATAGA
GGGAATGAATTCATCTAAAACAAATTAGAAGTCCAGAAGCACTTGACCACACTGACCAATCAGGAGCAG
GCCACCATATTCGAGGAGTTTCAGAAATGAGACCAAGAAACGAGCAGCGAGAGAATGAATTAATTTT
CTTTTCTGAGGTGCTTATATGAAGAGAAGCAAAAAGAGCACAGCCACACTGGGGAGCCAAAAGCAGACACT
ACAGGTGGCAGCAGAGAATATTGGGAGTGACCTGCCACCCAGTGCTAGCCGGTTCAGGTTAGATTCGCTG
AAGAACAGAGCAAAAGAGTCTTAACAGAGTCCCTAGAGAGCATTCTGTCCCGGGTAATAAAGCCAGAG



[View online >](#)

GCCTGCAGGACCATCCGCCAGTGTGGATCTGGACAGCTCCACTTCTAGTACTCTAAGTAACACCAGCAA
 AGAGCTGTCCATGGGTGACAAGGAGGCCTCCCCGTCTCTGAGACCTCCTTCAAGCTCCTTGGCTCCTCA
 GATGACCTGTCCAGTGACTCAGAGGGCCACATTGCAGAAGAGTCTGCCCTGTTGTCAACCCAGCAGGCGT
 TCAGAAGGAGAGCCAACACCCCTGAGTCAATTTCCAGTAGAGTGCCTGCGCTCCAGAACCTGCCAGAG
 CTCTCCAGGGTCTCTCAAAGGAACTCATGCGGTACCACTCCGTGAGCAGAGACGCCTCATGAACGC
 AAGGACTTTGAATCCAAAGCAAACCACTGGGTGACACAGATGGGACCCCGTGAAGACCCGGCGGCACT
 CGTGGAGACAGCAGATATTCCTTCGAGTGGCCACTCCACAGAAGGCTTGTGACTCCCCGAGCAGATATGA
 AGATTATCCGAGCTGGGAGAGCTCCCTCCACGCTCCCTTTAGAACCGGTGTGTGAGGACGGCCATTT
 GGCCAGTACAGGAAGAAAAGAGGAAGCGTCACGCGAGCTTCGAGAGCTGTGGAAAAAGGCCATCTTGC
 AGCAGATCCTGCTGCTCAGGATGGAGAAGGAGAATCAGAAGCTACAAGCCTCTGAAAACGATTTGCTGAA
 CAAACGCCTCAAGCTTGACTATGAAGAAATCACTCCGTGTCTTAAAGAAGTCACTACAGTGTGGGAAAAG
 ATGCTTAGCACTCCAGGAAGATCCAAAATTAAGTTTGACATGGAAAAAGTCACTCAGCTGTTGGGCAAG
 GTGTGCCACGTCATACCGAGGTGAGATCTGGAAATTTCTAGCTGAGCAGTTCACCTTAAACCCATT
 TCCTAGTAAACAGCAGCCAAAGGACGTGCCCTACAAGAGCTCCTGAAGAAGCTGACCTCGCAGCAGCAC
 GCCATTCTCATCGACCTCGGGCGAACCTTTCCAACACATCCATACTTCTCTGCCAGCTTGAGCAGGTC
 AGCTGTCACTTTACAACATTCTGAAGGCCTACTCGCTTCTGGACCAGGAGTTGGATACTGCCAAGGCTCT
 CAGCTTTGTGGCAGGCATTTTGCTTCTTACATGAGTGAGGAAGAGGCGTTCAAGATGCTCAAGTTCCTG
 ATGTTTGACATGGGGCTGCGGAAACAGTATCGGCCAGACATGATTATTTGCAGATCCAGATGTACCAGC
 TGTACGGCTCCTCCACGATTACCACCGAGACCTTACAACCACTGGAAGAGCAGGAGATCGGCCCCAG
 CCTCTACGCGGCTCCCTGGTTTCTCACTGTGTTGCGCTCACAGTTCCTCACTCGGCTTTGTAGCCAGATC
 TTTGATATGATCTTCTCAGGGATCAGAGTCAATTTAAAGTAGCTTTAAGCTTTTGGGAGCCATA
 AGCCCTTGATTCTACAGCATGAGAACCTGGAAACCATAGTGGACTTCATAAAGAACACACTCCCCAACCT
 GGGCCTGGTGCAGATGGAGAAGACCATCAGTCAGGTGTTTGAGATGGACATCGCCAAGCAGCTCCAGGCC
 TATGAGGTGAGTACCAGGTGCTCCAGGAGGAGCTTATTGAGTCTCGCTCTCAGTGACAACCAAAGAA
 TGGAGAAATTGGAGAAAACCAACAGCAGCTTGGCCAAACAGAACCTTGACCTCCTGGAGCAGTTGCAGGT
 GGCAAATGCTAGGATCCAAAGCCTTGAAGCCACGGTAGAGAACTTCTTACCAGCGAGAGTAAGCTGAAG
 CAGGCTGCGCTGACCCTGGAGGTGGAGCGCTCCGCCCTGCTGCAGATGGTGGAGGAGCTGCGGAGGCAAA
 GCGCCCGGCCAGCACTCCAGAGCCAGACTGCACCCAGCTGGAGCCACAGGCGATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 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).

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.