

Product datasheet for **MC216872**

Btbd1 (NM_146193) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btbd1 (NM_146193) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Btbd1
Synonyms:	1190005H08Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216872 representing NM_146193
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGGCCTCGTCTGGGTACGCCGGCGCCGGGAGCCGGCGACCGGAGCTGAGGCGGAGCCCGCCCTCCGG
 CCCCGCCGCCCTCCGCCGCCGCCACCGGCTCCCTCGCCGTCCGCTCTCGGGCCGCTGCTGCCCTGCA
 GCGCGAGCCGCTGTACAACGGCAGGCCACCAAGGCGTCCGCTCAAGGAGCGCTTCGCTTCTCTTCAAC
 TCGGAGCTGCTGAGCGATGTGCGTTTCGTGCTGGGCAAGGGCCGAGGCGCGGCCGCCGGGGCCCGC
 AGCGCATCCCCGCCACCGCTTCGTGCTGGCGGCCGAGCGCGGTCTTCGACGCCATGTTCAACGGCGG
 CATGGCCACGACGTCGGCCGAGATCGAGCTGCCGGACGTGGAGCCGCCGCTTCTGGCGCTGCTGAGA
 TTTTTGTATTAGACGAAGTTCAAATTGGTCCAGAAACCGTTATGACCACTCTTTATACTGTAAGAAAT
 ATGCAGTCCCTGCCTTGAAGCACATTGCGTAGAATTTCTACCAACATCTTAGGGCAGATAATGCCTT
 TATGTTGCTTACTCAGGCGCGTTGTTGATGAGCCCCAGCTGGTAGTCTTTGCTGGACCCATAGAC
 AAGAGCACAGTGGATGCAATCAGTGCAGGAGGGTTTACTGATATTGACATAGATACTCTGTGCAGTTC
 TAGAAAGAGACACACTGAGTATCCGAGAAAGTCGACTTTTTGGAGCTATTGTACGTTGGGCAGAAGCAGA
 GTGTCAGAGACAACAACCTGGCTGTGACATTTGGAAACAACAGAAAGTTCTAGGAAAAGCACTTTCTTA
 ATCCGCTTCCCACTGATGACAATTGAGGAGTTTGAGCAGGTCCTGCTCAATCTGGAATTTGTCAGACC
 GTGAAGTGGTAAACCTCTTTCTCATTTTACCCTCAATCTAAACCCGAGTAGAGTACATTGATCGGCC
 ACGATGCTGCCTCAGAGGAAAGGAGTGTGCATCAACCGATTCCAGCAAGTAGAGAGCCGCTGGGGTTAC
 AGTGGGACAAGCGATCGCATCAGGTTACAGTTAACAGAAGAATCTCTGTAGTTGGATTTGGTTTGTATG
 GATCTATTACGGGCCACGGATTATCAAGTGAATATACAGATCATTGAATATGAGAAAAACAACCTT
 GGGACAGAATGATACTGGATTTAGTTGTGATGGGACTGCTAACACATTCAGGGTCATGTTCAAAGAACCT
 ATAGAGATCCTGCCAATGTCTGTTACACAGCGTGCAGCAACACTCAAGGGCCAGATTCTACTATGGCA
 CAAAAGGACTGAAGAAAGTAGTGCATGAGACCCCTGCTGCAAGCAAGACTGTTTTCTATTTTTCAGTTC
 CCCTGGCAATAACAATGGCACATCAATAGAAGTGGACAATACCAGAAATAATATTTTATACATAA

ACCGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** AscI-MluI
- ACCN:** NM_146193
- Insert Size:** 1467 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_146193.2](#), [NP_666305.2](#)

RefSeq Size: 3020 bp

RefSeq ORF: 1467 bp

Locus ID: 83962

UniProt ID: [P58544](#)

Cytogenetics: 7 D3

Gene Summary: Probable substrate-specific adapter of an E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins (By similarity). Seems to regulate expression levels and/or subnuclear distribution of TOP1, via an unknown mechanism (PubMed:15486563, PubMed:17462629). May play a role in mesenchymal differentiation where it promotes myogenic differentiation and suppresses adipogenesis (PubMed:15486563, PubMed:17462629).[UniProtKB/Swiss-Prot Function]