

Product datasheet for **MC218508**

Btbd1 (BC031192) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btbd1 (BC031192) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Btbd1
Synonyms:	MGC37676
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC031192 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC**GGCGCGCC**

ATGTTGCTTACTCAGGCGGGTTGTTTCGATGAGCCCCAGCTGGCTAGTCTTTGTCTGGACACCATAGACA
AGAGCACAGTGGATGCAATCAGTGGGAGGGTTTACTGATATTGACATAGATACACTCTGTGCAGTTCT
AGAAAGAGACACACTGAGTATCCGAGAAAGTCGACTTTTTGGAGCTATTGTACGTTGGGCAGAAGCAGAG
TGTGAGAGACAACAACCTGGCTGTGACATTTGAAACAAACAGAAAGTTCTAGGAAAAGCACTTTCCTTAA
TCCGCTTCCCCTGATGACAATTGAGGAGTTTGCAGCAGGTCCTGCTCAATCTGGAATTTGTCAGACCG
TGAAGTGGTAAACCTCTTTCTTCATTTTACCGTCAATCCTAAACCCCGAGTAGAGTACATTGATCGGCCA
CGATGCTGCCTCAGAGGAAAGGAGTGTGCATCAACCGATTCCAGCAAGTAGAGAGCCGCTGGGGTTACA
GTGGGACAAGCGATCGCATCAGGTTACAGTTAACAGAAGAATCTCTGTAGTTGGATTTGGTTTGTATGG
ATCTATTCACGGGCCACGGATTATCAAGTGAATATACAGATCATTGAATATGAGAAAAACAAACCTTG
GGACAGAATGATACTGGATTTAGTTGTGATGGGACTGCTAACACATTGAGGTCATGTTCAAAGAACCTA
TAGAGATCCTGCCAATGTCTGTTACAGCGTGGCAACACTCAAGGGCCAGATTCTCACTATGGCAG
AAAAGGACTGAAGAAAGTAGTGCATGAGACCCCTGCTGCAAGCAAGACTGTTTTCTATTTTCAGTTCC
CCTGGCAATAACAATGGCACATCAATAGAAGATGGACAAATACCAGAAATAATATTTTATACATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Ascl-MluI
ACCN:	BC031192
Insert Size:	906 bp



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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:	<ol style="list-style-type: none">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:	BC031192 , AAH31192
RefSeq Size:	2495 bp
RefSeq ORF:	905 bp
Locus ID:	83962
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]