

Product datasheet for **MG204193**

Btbd1 (BC031192) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btbd1 (BC031192) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Btbd1
Synonyms:	MGC37676
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204193 representing BC031192 Red=Cloning site Blue=ORF Green=Tags(s)

CTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**
GCCC

ATGTTGCTTACTCAGGCGCGTTGTTTCGATGAGCCCCAGCTGGCTAGTCTTTGTCTGGACACCATAGACA
AGAGCACAGTGGATGCAATCAGTGCAGGGGTTTACTGATATTGACATAGATACACTCTGTGCAGTTCT
AGAAAGAGACACACTGAGTATCCGAGAAAGTCGACTTTTTGGAGCTATTGTACGTTGGGCAGAAGCAGAG
TGTCAGAGACAACAACCTGGCTGTGACATTTGAAACAAACAGAAAGTTCTAGGAAAAGCACTTTCCTTAA
TCCGCTTCCCACTGATGACAATTGAGGAGTTTGCAGCAGGTCCTGCTCAATCTGGAATTTTGTGACACCG
TGAAGTGGTAAACCTCTTTCTTCATTTTACCGTCAATCCTAAACCCCGAGTAGAGTACATTGATCGGCCA
CGATGCTGCCTCAGAGGAAAGGAGTGCTGCATCAACCGATTCCAGCAAGTAGAGAGCCGCTGGGGTTACA
GTGGGACAAGCGATCGCATCAGGTTACAGTTAACAGAAGAATCTCTGTAGTTGGATTTGGTTTGTATGG
ATCTATTCACGGGCCACGGATTATCAAGTGAATATACAGATCATTGAATATGAGAAAAACAAACCTTG
GGACAGAATGATACTGGATTTAGTTGTGATGGGACTGCTAACACATTCAAGGTCATGTTCAAAGAACCTA
TAGAGATCCTGCCAATGTCTGTTACACAGCGTGCGCAACACTCAAGGGCCAGATTCTCACTATGGCAC
AAAAGGACTGAAGAAAGTAGTGCATGAGACCCCTGCTGCAAGCAAGACTGTTTTCTATTTTCAGTTCC
CCTGGCAATAACAATGGCACATCAATAGAAGATGGACAAATACCAGAAATAATATTTTATACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204193 representing BC031192
 Red=Cloning site Green=Tags(s)

MLLTQARLFDEPQLASLCLDTIDKSTVDAISAEGFTDIDITLCAVLERDTLSIRESRLFGAIVRWAEAE
 CQRQQLAVTFGNKQKVLGKALSLIRFPLMTIEEFAAGPAQSGILSDREVNLFLHFTVNPKEPRVEYIDRP
 RCCLRGKECCINRFQQVESRWGYSSTDRIRFTVNRRISSVVGFLYGSIHGPTDYQVNIQIEYEKKQTL
 GQNDTGFSCTGTANTFRVMFKEPIEILPNVCYTACATLKGPDSHYGTGLKKVHETPAASKTVLFFSS
 PGNNNGTSIEDGQIPEIIFYT

TRTRPLE - GFP Tag - V

Restriction Sites: AscI-MluI

Cloning Scheme:



ACCN: BC031192

ORF Size: 903 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC031192.1](#)

RefSeq Size: 2495 bp

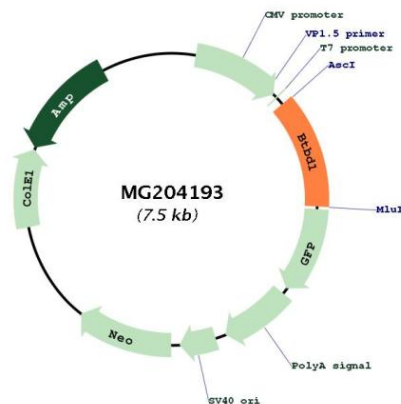
RefSeq ORF: 905 bp

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]

Product images:



Circular map for MG204193