

Product datasheet for **RG215487**

BTBD2 (NM_017797) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BTBD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG215487 representing NM_017797
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGGGGTGGGAGCGCGGGCGTGCCTGTCGCCCGGGGGTGGGGTGGCCCGGGCACGGGG
 GCAGTCCCGGGCCAGCGCAACGCCGCCACCCGGCCCCCGCAACGCGCGCCGCCGCCGCCG
 CGCCGCCCGCGCCGCCGCCGCCCTGGGCCGACGCCGCCGCCCGCGGGCCCGGGACAGACGCGCAG
 GCCCGGGCGCGGAGCGGGCGGAGGCGGGCGGGGCCGGGGCGCGCGTGCAGCGGAGGCGCGT
 ACAACTGGCAGGCCAGCAAGCCACCGTGCAGGAGCGCTTCGCTTCTCTTCAACAACGAGGTGCTGTG
 CGACGTGCACTTCTGTTGGGCAAGGGGCTCAGCTCGCAGCGCATCCCCGCGCACAGGTTCTGTGCGCC
 GTGGGCGAGCGCGTCTTGTATGCCATGTTCAACGGGGGAATGGCCACAACATCCACGAGATTGAGCTGC
 CCGACGTGGAACCCGCTGCCTTCTCGACTGCTCAAGTTTCTCTACTCGGACGAGGTGCAGATTGGCCC
 GGAGACGGTGATGACCACGCTATACACGCCAAGAAGTACGCGGTGCCAGCGCTCGAGGCCATTGCGTG
 GAGTTCTGAAGAAGAAGCTGCGAGCCGACAACGCCTTCATGCTGCTACGCGAGGCGGACTCTTCGATG
 AACCGCAGCTGGCCAGCCTGTGCCTGGAGAATCGACAAAAAACTGCAGACGCCATCACCGGGAGGG
 CTTACCGACATTGACCTGGACACGCTGGTGGCTGCTGGAGCGCGACACTGGGCATCCGTGAGGTG
 CGGCTGTTCAATGCCGTTGTCGCTGGTCCGAGGCCGAGTGTACGCGGCAGCAGCTGCAGGTGACGCCAG
 AGAACAGGCGGAAGGTTCTGGGCAAGGCCCTGGGCTTATTGCTTCCCGCTCATGACCATCGAGGAGTT
 CGCTGCAGGTCCCGCACAGTCGGGCATCCTGGTGGACCGGAGGTGGTCAAGCTTCTCTGCACTTCACC
 GTCAACCCCAAGCCAGAGTGGAGTTCATTGACCGGCCCGCTGCTGCCTGCGTGGGAAGGAGTGCAGCA
 TCAACCGCTTCCAGCAGGTGGAGTGCCTGGGCTACAGCGGGACAGTACCGCATCAGGTTCTCAGT
 CAACAAGCGCATCTTCGTGGTGGGATTGGGCTGTATGGATCCATCCACGGGCCACCGACTACCAAGTG
 AACATCCAGATTATTACACCGATAGCAACACCGTCTTGGGCCAGAACGACACGGGCTTCAGCTGCGACG
 GCTCAGCCAGCACCTTCCGCGTCATGTTCAAGGAGCGGTGGAGGTGCTGCCAACGTCAACTACACGGC
 CTGTGCCACGCTCAAGGGCCAGACTCCCACTACGGCACCAGGCGCTGCGCAAGGTGACACAGAGTCG
 CCCACCAGGGCGCAAGACCTGCTTACCTTTTGTACGCGCGGGGAACAACAATGGCACATCCGTGG
 AGGACGGCCAGATCCCCGAGGTGCTTCTACACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215487 representing NM_017797
 Red=Cloning site Green=Tags(s)

MAAGSGGRASCPGPGVGPVTGGSPGPSANAAATPAPGNAAAAAAAAAAAAAPGTPPAPPGPGTDAQ
 AAGAERAEEAAGPGAAALQREAAYNWQASKPTVQERFAFLFNNEVLCDVHFLVGKGLSSQRIPAHRFVLA
 VGSADFAMFNGMATTSTEIELPDVEPAFLALLKFLYSDEVQIGPETVMTTLYTAKKYAVPALEAHCV
 EFLKKNLRADNAFMLLTQARLFDEPQLASLCLENIDKNTADAITAEGFTDIDLTLVAVLERDTLGIREV
 RLFNNAVVRWSEAEQRRQLQVTPENRRKVLGKALGLIRFPLMTIEEFAAGPAQSGILVDREVVSLFLHFT
 VNPKPVEFIDRPRCCLRGKECSINRFQQVESRWGYSSTDRIRFSVNKRIFVVGFLGYGSIHGPTDYQV
 NIQIIHTDSNTVLGQNDTGFSCDGSASTFRVMFKEPVEVLPNVNYTACATLKGPDSHYGTLKLRKVTHES
 PTTGAKTCFTFCYAAGNNNGTSVEDGQIPEVIFYT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017797

ORF Size: 1575 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: [NM_017797.4](#)

RefSeq Size: 2656 bp

RefSeq ORF: 1578 bp

Locus ID: 55643

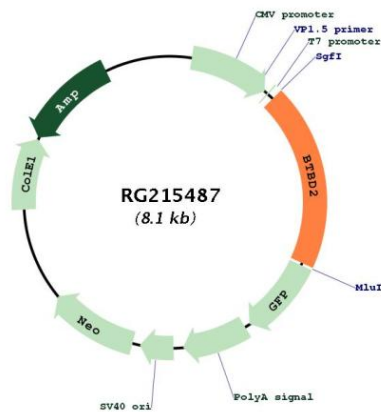
UniProt ID: [Q9BX70](#)

Cytogenetics: 19p13.3

Domains: BTB

Gene Summary: The C-terminus of the protein encoded by this gene binds topoisomerase I. The N-terminus contains a proline-rich region and a BTB/POZ domain (broad-complex, Tramtrack and bric a brac/Pox virus and Zinc finger), both of which are typically involved in protein-protein interactions. Subcellularly, the protein localizes to cytoplasmic bodies. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG215487