

## Product datasheet for **RG206976**

### **BTBD1 (NM\_025238) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BTBD1 (NM_025238) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BTBD1
Synonyms:	C15orf1; NS5ATP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206976 representing NM\_025238  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTCACTCGGGCCTGCCGAGCTGGGGAGCAGGCGTCGGGGCTGAGGCGGAGCCGGGCCCGCGG  
 GGCCGCCGCCGCCCTCACCGTCCTCTCTGGGGCCCTGCTCCCCCTGCAGCGGGAACCTCTCTACAA  
 CTGGCAGCGCACCAAGGCGTCGCTGAAGGAGCGCTTCGCCTTCCTCTTCAACTCGGAGCTCTGAGCGAT  
 GTGCGCTTCGACTGGGCAAGGGTCGCGGCCGCCGCCGCTGGGGGCCGAGCGCATCCCCGCCACC  
 GCTTCGTGCTGGCGGCCGAGCGCCGCTTTGACGCCATGTTCAACGGCGGCATGGCCACCACGTCGGC  
 CGAGATCGAGCTGCCGGACGTGGAGCCCGAGCCTTCCTGGCGCTGCTGAGATTTCTATATTCAGATGAA  
 GTTCAAATGGTCCAGAAACAGTTATGACCACTTTTATACTGCCAAGAAATACGCAGTCCAGCCTTGG  
 AAGCACACTGTGTAAGATTTCTACCAACATCTTAGGGCAGATAATGCCTTTATGTTACTTACTCAGGC  
 TCGATTATTTGATGAACCTCAGCTTGTAGTCTTTGTCTAGATACAATAGACAAAAGCACAATGGATGCA  
 ATAAGTGCAGAAGGGTTTACTGATATTGATATAGATACACTCTGTGCAGTTTTAGAGAGAGACACTCA  
 GTATTCGAGAAAGTCGACTTTTTGGAGCTGTTGTACGCTGGGCAGAAGCAGAATGTCAGAGACAACAATT  
 ACCTGTGACTTTTGGGAATAACAAAAAGTTCTAGGAAAAGCACTTTCCTTAATCCGGTCCCCTACTGATG  
 ACAATTGAGGAATTTGCAGCAGGTCTGCTCAATCTGGAATTTTGTGAGATCGTGAAGTGGTAAACCTCT  
 TTCTTCATTTTACTGTCAACCCTAAACCCGAGTTGAATACATTGACCGACCAAGATGCTGTCTCAGGGG  
 AAAGGAATGCTGCATCAATAGATTCCAGCAAGTAGAAAGCCGCTGGGGTTACAGTGGGACGAGTGATCGA  
 ATCAGATTACAGTTAATAGAAGGATCTCTATAGTTGGATTTGGCTTGTATGGATCTATTCATGGCCCTA  
 CAGATTATCAAGTGAATATACAGATCATTGAATATGAGAAAAAGCAAACCTGGGACAGAAATGATACCGG  
 CTTTAGTTGTGATGGGACAGCTAACACATTCAGGGTCATGTTCAAGGAACCCATAGAGATCCTGCCCAAT  
 GTGTGCTACACAGCATGTGCAACACTCAAAGGTCCAGATTCCTACTATGGCACAAGGATTGAAGAAAG  
 TAGTGCATGAGACACCTGCTGCAAGCAAGACTGTTTTTTTCTTTTTTAGTCCCTGGCAATAAATATGG  
 CACTTCAATAGAAGATGGACAAATTCAGAAATCATATTTTATACA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG206976 representing NM\_025238  
 Red=Cloning site Green=Tags(s)

MASLGPAAGEQASGAEAEPPGAGPPPPSPSSLGPLLPLQREPLYNWQATKASLKERFAFLFNSELLSD  
 VRFVLGKGRGAAAAGGPQRIPAHRFVLAAGSAVFDAMFNGGMATTSAEIELPDVEPAAFLALLRFLYSDE  
 VQIGPETVMTTLYTAKKYAVPALEAHCVEFLTKHLRADNAFMLLTQARLFDEPQLASLCLDIDKSTMDA  
 ISAEFTDIDIDLCAVLERDTLSIRESRLFVAVRWAEAEQQRQLPVTFGNKQKVLGKALSIRFPLM  
 TIEEFAAGPAQSGILSDREVNLFHFTVNPKRVEYIDRPRCCLRGKECCINRFQQVESRWGYSYSDR  
 IRFTVNRRIIVGFGLYGSIHGPTDYQVNIQIIEYEKKQTLGQNDTGFSCDGTANTFRVMFKEPIEILPN  
 VCYTACATLKGPDShyGtKGLKKVvHETPAASKTVFFFSSPGNNNGTSIEDGQIPEIIFYT

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_025238

**ORF Size:** 1446 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.

**RefSeq:** [NM\\_025238.4](#)

**RefSeq Size:** 3308 bp

**RefSeq ORF:** 1449 bp

**Locus ID:** 53339

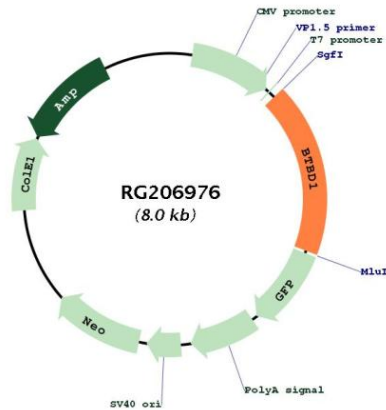
**UniProt ID:** [Q9H0C5](#)

**Cytogenetics:** 15q25.2

**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. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG206976