

## Product datasheet for **RG219508**

### **BTBD9 (NM\_152733) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | BTBD9 (NM_152733) Human Tagged ORF Clone |
| Tag:                      | TurboGFP                                 |
| Symbol:                   | BTBD9                                    |
| Synonyms:                 | dj322i12.1                               |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-AC-GFP (PS100010)                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                   |



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**ORF Nucleotide Sequence:**

>RG219508 representing NM\_152733  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCGAGAGTCTCAGCCTGAAGCAGAAATTCCTCTCCAAGACACCACTGCAGAAGCATTACAATGCTAC  
 TCAATATATCTACACTGGGCGGCAACGCTGACAGATGAGAAGGAGGAGGTGCTGCTGGACTTTTTGAG  
 CCTGGCTCATAAATATGATTTCCAGAGCTAGAGGATTCTACCTCTGAGTATCTCTGCACCATACTTAAC  
 ATTCAGAATGTCTGCATGACTTTTGATGTTGCCAGTCTCTACTCACTTCCCAAGTTAACTTGATGTGCT  
 GCATGTTTATGGATAGGAATGCTCAGGAAGTCTCTCAAGTGAAGGTTTCTCTCCCTTTCTAAGACAGC  
 ACTTTTAAACATCGTGTTAAGAGACTCATTGCAGCTCCCGAAAAGATATTTTCTAGCCTTATTAAC  
 TGGTGTAAAGCACAATTCAAAGGAGAATCATGCTGAAATCATGCAGGCTGTGCGTTTACCTCTCATGAGCC  
 TCACAGAGCTTCTGAATGTTGTGAGGCCTTCAGGACTGCTGTCTCTGATGCCATCCTGGATGCCATTAA  
 AGTGCGATCTGAGAGCCGGGATATGGACCTCAATTATAGAGGCATGCTCATACCAGAAGAAAACATTGCA  
 ACTATGAAGTATGGAGCCCAAGTTGTAAAGGGGAGCTGAAATCAGCCTTATTAGATGGTGATACTCAAA  
 ATTATGATTTGGATCATGGATTTTCAAGGCACCCAATTGATGATGACTGCCGTTCCGGCATCGAGATTAA  
 GCTAGGTCAGCCATCCGTTATCAATCACATACGGATACTCTTGTTGGGACCGAGATAGCCGGTCTTACTCA  
 TACTTCATTGAAGTGCAATGGATGAACCTGATTGGGTGAGAGTGATAGATCATTACAATATCTGTGTC  
 GTTCTTGGCAGAAATTATATTTCCAGCCCGTGTCTGCAGGTATATTCGAATTGTTGGGACTCACAACAC  
 AGTGAACAAGATTTTTCACATTGGGCTTTTGAATGTATGTTTACAAACAAAACCTTCACTCTTGAGAAG  
 GGGCTGATAGTTCCTATGGAGAATGTTGCAACAATTGCTGATTGTGCCAGTGTGATTGAAGGAGTCAGTC  
 GGAGCCGAAATGCCTTGCTGAATGGGGACACTAAGAATTATGACTGGGATTCTGGCTACACATGTCACCA  
 GCTAGGAAGTGGTGCGATTGTGGTTCAGTTGGCACAACCGTACATGATTGGGTCAATACGGTTACTACTT  
 TGGGATTGTGATGATCGAAGCTATAGCTACTACGTTGAGGTTTCTACCAACCAGCAACAGTGGAACATGG  
 TTGCTGACAGAACTAAAGTCTCTGCAAGTCTGGCAGTCAGTAACTTTTGAAGGCAGCCTGCCTCCTT  
 CATCCGTATCGTTGGGACACACAACACAGCAAATGAGGTGTTCCACTGTGTCCACTTTGAGTGTCCAGAG  
 CAGCAGAGCAGCCAGAAGGAGGAAAATAGTGAGGAATCGGGGACAGGGGACACCAGCCTGGCCGGTCAGC  
 AGCTCGACTCCCATGCGCTGCGGGCGCCTAGTGGCAGCTCACTACCCTCCAGCCAGGCTCCAACCTCAG  
 CTCCCCAACCGGCAGCACCAA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG219508 representing NM\_152733  
 Red=Cloning site Green=Tags(s)

MRESQPEAEIPLQDTTAEFTMLLKYYITGRATLTDEKEEVLLDFLSLAHKYGFPELEDSTSEYLCTILN  
 IQNVCMTFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKTALLNIVLRDSFAAPEKDIFLALLN  
 WCKHNSKENHAEIMQAVRLPLMSLTELNNVVRPSGLLSPDAILDAIKVRSESRDMDLNRYGMLIPEENIA  
 TMKYGAQVVGELKSALLDGDQNYDLHGF SRHPIDDDCRSGIEIKLGQPSVINHIRILLWDRDSRSYS  
 YFIEVSMDELWVRVIDHSQYLCRSQKLYFPARVCRYIRIVGTHNTVKNKIFHIVAFECMFTNKTFTLEK  
 GLIVPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDGTYCHQLGSGAIVVQLAQPYMIGSIRLLL  
 WDCDDRSYSYYEVSTNQQTVMVADRTKVSCKSWQSVTFERQSPASFIRIVGTHNTANEVHFVHFECPE  
 QSSSQKEENSESGTGDTSLAGQQLDSHALRAPSGSSLPSSPGSNSRSPNRQHQ

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_152733

**ORF Size:** 1632 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\\_152733.1](#), [NP\\_689946.1](#)

**RefSeq Size:** 1980 bp

**RefSeq ORF:** 1635 bp

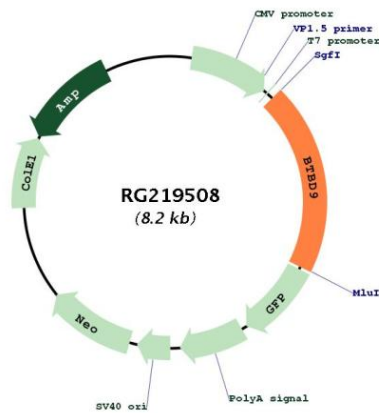
**Locus ID:** 114781

**UniProt ID:** [Q96Q07](#)

**Cytogenetics:** 6p21.2

**Gene Summary:** This locus encodes a BTB/POZ domain-containing protein. This domain is known to be involved in protein-protein interactions. Polymorphisms at this locus have been reported to be associated with susceptibility to Restless Legs Syndrome and may also be associated with Tourette Syndrome. Alternatively spliced transcript variants have been described. [provided by RefSeq, Aug 2011]

## Product images:



Circular map for RG219508