

Product datasheet for **RG214257**

BTBD9 (NM_052893) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BTBD9
Synonyms:	dJ322I12.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >RG214257 representing NM_052893
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAGTAACAGCCACCCTCTTCGCCCTTTACTGCAGTGGGGAAATTGATCATGTGCACATTTTGTCTG
 AACATATTGGTGCCTTGTGATTGGGGAAGAAATATGGCGACGTCACATTCGTGGTGGAAAAGAAACGTTT
 TCCTGCCCACAGGTAATTTTAGCAGCCAGGTGCCAATATTTTCGAGCATTATTATATGGTGAATGCGA
 GAGTCTCAGCCTGAAGCAGAAATCCTCTCAAGACACCAGTCAGAAAGCATTACAATGCTACTCAAAT
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 TGTGATGATCGAAGCTATAGCTACTACGTTGAGGTTTCTACCAACAGCAACAGTGGACCATGGTTGCTG
 ACAGAACTAAAGTCTCTGCAAGTCTGGCAGTCAGTAACTTTTGAAGGCAGCCTGCCTCTTCATCCG
 TATCGTTGGGACACACAACACAGCAATGAGGTGTTCCACTGTGTCCACTTTGAGTGTCCAGAGCAGCAG
 AGCAGCCAGAAGGAGGAAAATAGTGAGGAATCGGGGACAGGGGACACAGCCTGGCCGGTCAGCAGCTCG
 ACTCCCATGCGCTGCGGGCGCCTAGTGGCAGCTCACTACCCTCCAGCCAGGCTCCAACCTCACGCTCCCC
 CAACCGGCAGCACCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

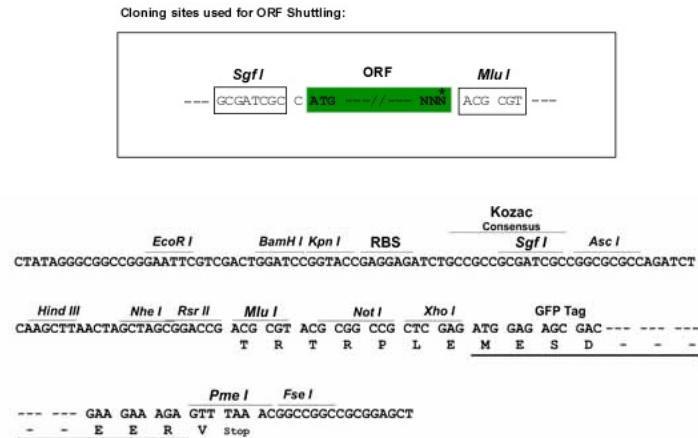
Protein Sequence: >RG214257 representing NM_052893
 Red=Cloning site Green=Tags(s)

MSNSHPLRPFTAVGEIDHVVHILSEHIGALLIGEEYGDVTFVVEKKRFPAPHRVILAARCQYFRALLYGGMR
 ESQPEAEIPLQDTTAEAFMLLKYIYTGRTLTDEKEEVLLDFLSLAHKYGFPELEDSTSEYLCITLNIQ
 NVCMTFDVASLYSLPKLTCMCMFMDRNAQEVLSSEGFLSLSKTALLNIVLRDSFAAPEKDIFLALLNWC
 KHNSKENHAEIMQAVRLPLMSLTELNNVVRPSGLLSPDAILDAIKVRSESRMDLNYRGMLIPEENIATM
 KYGAQVVGELKSALLDGDQTQNYDLDHGFSRHPIDDDCRSGIEIKLGQPSIINHIRILLWDRDSRSYSYF
 IEVSMDELWVRVIDHSQYLRSWQKLYFPARVCRYIRIVGTHNTVKNIFHIVAFECMFTNKTFTLEKGL
 IVPMEVATIADCASVIEGVSRSRNALLNGDTKNYDWDGTYCHQLGSGAIVVQLAQPYMIGSIRLLLD
 CDDRSYSYYEVSTNQQWTMVADRTKVSCKSWQSVTFERQPASFIRIVGTHNTANEFHCVHFECPEQQ
 SSQKEENSEESGTDTSLAGQQLDHALRAPSGSSLPSSPGSNSRSPNRQHQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_052893

ORF Size: 1836 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.

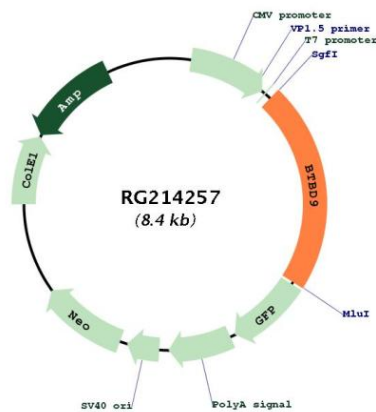
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_052893.2](#)

RefSeq Size: 8967 bp
RefSeq ORF: 1839 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 RG214257