

Product datasheet for **RC219508**

BTBD9 (NM_152733) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTBD9 (NM_152733) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BTBD9
Synonyms:	dj322l12.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC219508 representing NM_152733
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGAGAGTCTCAGCCTGAAGCAGAAATTCCTCTCCAAGACACCACTGCAGAAGCATTACAATGCTAC
 TCAATATATCTACACTGGGCGGCAACGCTGACAGATGAGAAGGAGGAGGTGCTGCTGGACTTTTGGAG
 CCTGGCTCATAAATATGATTTCCAGAGCTAGAGGATTCTACCTCTGAGTATCTCTGCACCATACTTAAC
 ATTCAGAAATGTCTGCATGACTTTTGATGTTGCCAGTCTCTACTCACTTCCCAAGTTAACTGTATGTGCT
 GCATGTTTATGGATAGGAATGCTCAGGAAGTCTCTCAAGTGAAGGTTTCTCTCCCTTTCTAAGACAGC
 ACTTTTAAACATCGTGTTAAGAGACTCATTGCAGCTCCCGAAAAAGATATTTTCTAGCCTTATTAAC
 TGGTGTAAGCACAATTCAAAGGAGAATCATGCTGAAATCATGCAGGCTGTGCGTTTACCTCTCATGAGCC
 TCACAGAGCTTCTGAATGTTGTGAGGCCTTCAGGACTGCTGTCTCTGATGCCATCTGGATGCCATTAA
 AGTGCGATCTGAGAGCCGGGATATGGACCTCAATTATAGAGGCATGCTCATACCAGAAGAAAACATTGCA
 ACTATGAAGTATGGAGCCCAAGTTGTAAAGGGGAGCTGAAATCAGCCTTATTAGATGGTGATACTCAAA
 ATTATGATTTGGATCATGGATTTTCAAGGCACCAATTGATGATGACTGCCGTTCCGGCATCGAGATTAA
 GCTAGGTCAGCCATCCGTTATCAATCACATACGGATACTCTTGTGGGACCGAGATAGCCGGTCTTACTCA
 TACTTCATTGAAGTGCAATGGATGAACCTGATTGGGTGAGAGTGATAGATCATTACAATATCTGTGTC
 GTTCTTGGCAGAAATTATATTTCCAGCCCGTGTCTGCAGGTATATTCGAATTGTTGGGACTCACAAAC
 AGTGAACAAGATTTTTCACATTGGGCTTTTGAATGTATGTTTACAAACAAAACCTTCACTCTTGAGAAG
 GGGCTGATAGTTCCCATGGAGAATGTTGCAACAATTGCTGATTGTGCCAGTGTGATTGAAGGAGTCAGTC
 GGAGCCGAAATGCCTTGCTGAATGGGGACACTAAGAATTATGACTGGGATTCTGGCTACACATGTCACCA
 GCTAGGAAGTGGTGCGATTGTGGTTCAGTTGGCACAACCGTACATGATTGGGTCAATACGGTTACTACTT
 TGGGATTGTGATGATCGAAGCTATAGCTACTACGTTGAGGTTTCTACCAACCAGCAACAGTGGAACATGG
 TTGCTGACAGAACTAAAGTCTCTGCAAGTCTGGCAGTCAGTAACTTTTGAAGGCAGCCTGCCTCCTT
 CATCCGTATCGTTGGGACACACAACACAGCAAATGAGGTGTTCCACTGTGTCCACTTTGAGTGTCCAGAG
 CAGCAGAGCAGCCAGAAGGAGGAAAATAGTGAGGAATCGGGGACAGGGGACACCAGCCTGGCCGGTCAGC
 AGCTCGACTCCCATGCGCTGCGGGCGCCTAGTGGCAGCTCACTACCCTCCAGCCAGGCTCCAACCTCAGC
 CTCCCCAACCGGCAGCACCAA

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219508 representing NM_152733
 Red=Cloning site Green=Tags(s)

MRESQPEAEIPLQDTTAEFTMLLKYIYGRATLTDEKEEVLLDFLSLAHKYGFPELEDSTSEYLCITILN
 IQNVCMTDFDVASLYSLPKLTCMCCMFMDRNAQEVLSSEGFLSLSKTALLNIVLRDSFAAPEKDIFLALLN
 WCKHNSKENHAEIMQAVRLPLMSLTELNNVVRPSGLLSPDAILDAIKVRSESRDMDLNRYGMLIPEENIA
 TMKYGAQVVKELKSALLDGDQTQNYDLDHGFSRHPIDDDCRSGIEIKLGQPSVINHIRILLWDRDSRSYS
 YFIEVSMDELWVRVIDHSQYLCRSWQKLYFPARVCRYIRIVGTHNTVNKIFHIVAFECMFTNKTFTLEK
 GLIVPMENVATIADCASVIEGVSRSRNALLNGDTKNYDWDSGYTCHQLGSGAIVVQLAQPYMIGSIRLLL
 WDCDDRSYSYYVEVSTNQQTMTVADRTKVSCKSWQSVTFERQPAFIRIVGTHNTANEFHCVHFECPE
 QQSSQKEENSESGTGDTSLAGQQLDSHALRAPSGSSLPSSPGSNSRSPNRQH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6797_a01.zip

Restriction Sites:

SgfI-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.

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

RefSeq: [NM_152733.1](#), [NP_689946.1](#)

RefSeq Size: 1980 bp

RefSeq ORF: 1635 bp

Locus ID: 114781

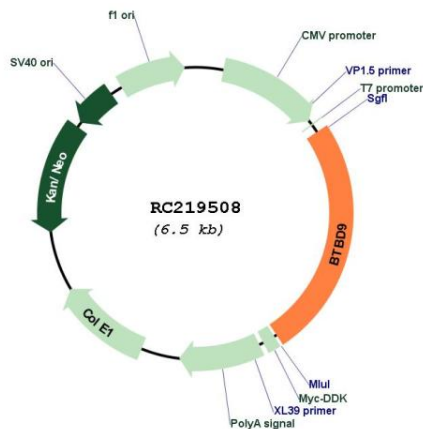
UniProt ID: Q96Q07

Cytogenetics: 6p21.2

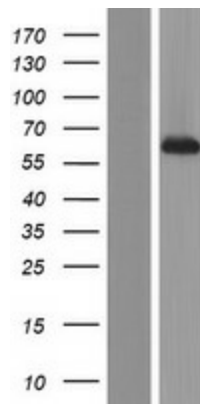
MW: 61.4 kDa

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]

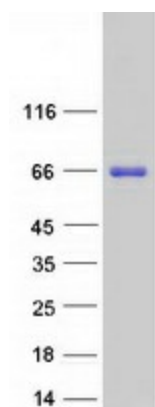
Product images:



Circular map for RC219508



Western blot validation of overexpression lysate (Cat# [LY407331]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219508 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified BTBD9 protein (Cat# [TP319508]). The protein was produced from HEK293T cells transfected with BTBD9 cDNA clone (Cat# RC219508) using MegaTran 2.0 (Cat# [TT210002]).