

Product datasheet for **MG217199**

Btbd11 (NM_028709) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Btbd11 (NM_028709) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Btbd11
Synonyms: 6330404E16Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG217199 representing NM_028709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCAGGAGAGGTAAGAAGCCTGTGGTGCGAACGCTGGAAGATCTGACGCTGGACTCGGGTTATGGTG
 GCGCGGGGACTCTGTGCGCTCCTCCAACCTGTCTGTGCTGTTCTGACTCTCACCCGGCGTCCCCGTA
 TGGCGGGAGCTGCTGGCCGCTTAGCTGACTCCATGCACAGCCGGCACAACAGCTTTGACACCGTCAAC
 ACTGCCCTGGTGAAGACTCCGAGGGGCTGGACTGCGCCGGTCACTGCTCGCGGTTGCTGCCGGACC
 TCGACGAGTCCCCTGGACCCTCCAGAACTGGAGTTGCTGCTGCTGCGCTCGCGGGATCCCCGGGCAGG
 CCCAGCGTCCCCGGCAGCCTGCCAAGGACGCGCTGGCCAAGCTCTCGATGCTGGTAAGCCGGGCTCTA
 GTGCGCATCGCTAAAGAGGCGCAGCGCCTGAGCCTGCGCTTCGCCAAGTGACCAAGTACGAGATCCAGA
 GTGCCATGGAGATCGTACTGTCTGGGGCTGGCGGCTCACTGCACCGCTGCCGCGCTGGCCGCGTGT
 CCTCTATAACATGAGCAGCGCTGGCGGCGACCGCTTGGGCGTGGCAAGTCGGCGCGCTGCCGCTCACC
 TTCTCCGTGGGCCGCGTGTACCGCTGGATGGTGGACAGCCGCGTGGCGCTGCGCATCCACGAGCATGCC
 CCATCTACCTGACCGCTGTATGGAGAGTCTCTCCGGGACATCTACTCGCGGTGTTGGCTCCGGGCT
 ACCTCGTAGCTGTAGCGTCTGGCCCTGGCTCCAGCTCCGTTCTGGCCAGCCCCGGCTCAGGCCCC
 GGAGCCCCGTCAGCGGAT AAGGAGCGCGAGACTCCGGGAGGGGAGCGGCGAGCGGTGGCCCTTGACAGC
 CAGCCAGCAGCGCCAGCGGGGAGTAGTTGTTGCGCCCCGCGCAGCCACGGCGGCGACCGAGTCCCGCC
 AACCCAGCCACCGCCGCGTGGCGCCAAACATCATCACCACCACACGCTTACGAAGCGCCAAA
 TTCACCGTGGAGACCCTGGAGCACCGGTCAACAACGACTCGAAATCTGGGGGCTCTTGACGCCCTACC
 AGCACCTCATCTGTGGGAAGAACGCCAGTGGTGTGCTGAGCCTGCCAGAGAGCCTGAACCTGCACCGAGA
 CCCACAGCGGCCAGCAAGCCGGGAGAGCTCCCCATGTTAGCCAGTCAAGAGCTGAGGACCATCGAGCAG
 TCCCTGCTGGCCACCGGTGGGAGCATCGCCGAGCTCAGTGACCTTGTGTCCCGGGGATGCACCATC
 TACAGCCCCTCAATGCGAAGCACCGGTAATGGCAGCCCATGCACCACAAGCAGGGGGGCTCTACTG
 GGAGCCAGAGGCCCTGTACACGCTCTGCTACTTATGCACTGCCCGCAGATGGAGTGGGAGAATCCCAAC



[View online >](#)

```
GTGGAACCTTCCAAGGTCAACCTCCAGGTGAAAGGCCCTTCTCGTGCTGCCCCCTCATGGAGTGGAT
TCCGAGTGGCCGTGGCGCATGCCGGCCACCGCCGACGTTTTCTATGGATAGCGACGATGTCGCCAAGC
CGCCCCGCTGCTGCTTCCGGGAGTGGACTGCGAGCCGCGCAGCTCAAGGCGGACGACTGCTTTTGTCT
TCTCGGAAGCTGGACGCCGTGGCCATCGAAGCCAAGTTCAAGCAGGACTTGGGCTTCCGGATGCTGAATT
GTGGACGGACCGACCTGGTGAAGCAGGCAGTGTCTTTGCTGGGGCCGGATGGAATCAACACCATGAGCGA
ACAGGGTATGACCCCTTGATGTACGCCGTGCGTCCGTGGGACGAGGCAATGGTGCAGATGCTGTGGAT
GCCGAGCTGACCTGAATGTGGAGTTGTGACTCTCTATAAATATCCATCCGTCACCCCGAGACCC
GCCATTGGACGGCTCTGACTTTTGTCTGTGTTGCATGGACATATTCTGTAGTTTCAGCTCCTCCTGGATGC
TGGGGCCAAGGTGGAAGGCTCTGTGGAGCATGGCGAGGAGAACTATTCAGAACTCCCTCCAGCTTGCA
GCCGCTGTGAAATTTTGTGCTGGTGTAGTTTGTCTGTTGGAGCGTGGTGCAGATCCCTGATAGGAACCA
TGTACAGGAATGGAATTTCTACAACCCCGAGGTGATATGAACTCTTTCAGCCAGGCCGACGCCCATGG
ACACAGGAATGTGTTCCGCAAATGCTCGCTCAGCCAGAGAAGGAGAAGAGCGATATCCTGTCCCTGGAG
GAGATTCTGGCTGAGGGGACTGACCTGGCAGAAACAGCCCGCCCCCTTGTGTGCCAGCCGCAACAGCA
AGGCCAACTGAGGGCCCTGAGGGAGGCCATGTATCACAGCGCTGAGCACGGCTACGTGGATGTCACAA
TGATATCAGGAGTATAGGTGTCCTATGGACTCTACACACATGGCTGGAGTCACTTCGGATTGCCCTCCAG
CAACACCCGACACCTCTCATCCAGTGTTGCTCAAGGAGTTCAAGACCATTCAAGAGGAGGAGTACACAG
AGGAGCTAGTCACCCAAGGCCTGCCCTGATGTTTGTGATCTTAAAAGCAAGCAAGAATGAAGTGATCAG
CCAGCAGCTGTGCGTCATCTTACACACTGTTACGGTCCCTACCCCATCCCAAGCTCACGGAGATCAAG
AGGAAGCAGACCTCACGCTGGACCCTCATTTTCTTAAACAATAAAGAGATGTCGACGTGACCTTTCTGG
TAGAGGGAAGACCCTTCTACGCTCACAAGTGCTCTTGTTCACAGCCTCTCCAGGTTCAAGGCCCTCT
CTCCAGCAAGCCAACAAATGACAACACCTGCATAGAGATTGGCTACGTGAAGTATCCCATCTTCCAGCTC
GTCATGCAGTATCTACTACGGTGGCCAGAGTCACTTCTCATTAAAAACAATGAGATCATGGAGCTTC
TGCTGCTGCTAAATTTTCCAGCTGGAGGCTCTGCAGCGACACTGTGAGATTATCTGTGCAAAAAAGCT
CAATACTGACAACGTGTGGATATCTACAGCCACGCCAAGTTCCTTGGGGTGACAGAGCTCTCGGGTAC
TGTGAAGGCTACTTTCTTAAAAATATGATGGTCTTATTGAAAACGAAGCGTTCAAGCAGCTCCTGTACG
ACAAAAATGGCGAAGGGGCGGGCCAGGATGTGCTTACAGACCTACAGAGGACGTTGGCCATTAGGATTCA
GTCTATCCACCTGCTGCTTCCAAGGGTCCGTGGTA
```

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG217199 representing NM_028709
 Red=Cloning site Green=Tags(s)

```
MARRGKKPVVRTLEDLTLDSGYGGAADSVRSSLNLCCSDSHPASPYGGSCWPPLADSMHSRHNSFDTVN
TALVEDSEGLDCAGQHCSRLLPDLDEVPWTLQELELLLLRSRDPRAAGPAVPGSLPKDALAKLSMLVSRAL
VRIAKEAQRSLRFAKCTKYEIQSAMEIVLSWGLAAHCTAAALAAALSLYNMSSAGDRLGRGKSARCLT
FSVGRVYRWMVDSRVALRIHEHAAIYL TACMESLFRDIYSRVLASGLPRSCSGPGGSSSGSGPGGSGP
GAPAADKERETPGGGAASGGPCSAAASSAGSSCCAPPATAATAVPPTTATAAANAHHHHHHHTLHEAPK
FTVETLEHTVNNSEIWGLLQPYQHLICGKNASGVLSPESLNLHRDPQRPSKPGELPMFSQSELRTIEQ
SLLATRIVGSI AELSDLVSRAMHHLQPLNAKHGNGTGMHHKQGALYWEPEALYTLCYFMHCPQMEWENPN
VEPSKVNQLQVERPFLVLPPLMEWIRVAVAHAGHRRSFSMDSDVVRQAARLLLPGVDCEPRQLKADDFCA
SRKLDVAIEAKFKQDLGFRMLNCGRTDLVKQAVSLLGPDGINTMSEQGMPLMYACVRGDEAMVQMLLD
AGADLNVEVVSTPHKYPSVHPETRHWTALTFAVLHGHIPVVQLLL DAGAKVEGSVEHGEENYSETPLQLA
AAVGNFELVSLLLERADPLIGTMYRNGISTTPQGMNSFSQAAAHGHRNVFRKLLAQPEKEKSDILSLE
EILAEGTDLAETAPPPLCASRNSKAKLRALREAMYHSAEHGYVDVTIDIRSIGVPWTLHTWLESLRIFQ
QHRRLIQCLLKEFKTIQEEEYTEELVTQGLPLMFEILKASKNEVISQQLCVIFTHCYGYPYIPKLTEIK
RKQTSRLDPHFLNKNEMSDVTFVLEGRPFYAHKVVLLFTASPRFKALLSSKPTNDNTCIEIGYVKYPIFQL
VMQYL YGGPESLLIKNNEIMELLSAAKFFQLEALQRHCEIICAKSINTDNCVDIYSHAKFLGVTELSAY
CEGYFLKNMMVLIENEAFKQLLYDKNGEGAGQDVLQDLQRTLAIRIQSIHLSSSKGSVV
```

TRTRPLE - GFP Tag - V

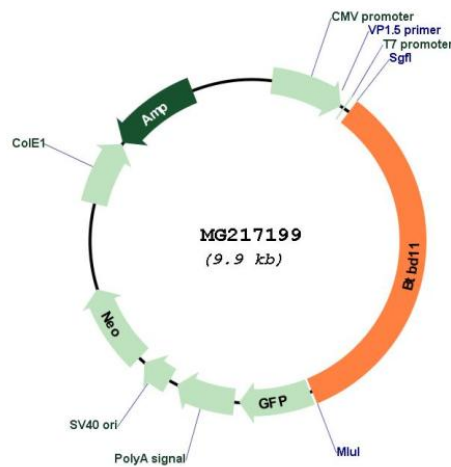
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028709

ORF Size: 3327 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: | <ol style="list-style-type: none">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: | <u>NM_028709.2, NP_082985.2</u> |
| RefSeq Size: | 5808 bp |
| RefSeq ORF: | 3330 bp |
| Locus ID: | 74007 |
| UniProt ID: | <u>Q6GQW0</u> |
| Cytogenetics: | 10 C1 |