

Product datasheet for **MG208523**

Btbd3 (BC018174) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btbd3 (BC018174) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Btbd3
Synonyms:	MGC25591, mKIAA0952
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208523 representing BC018174
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTAGATGATAAAGAAAAGAACATGAAATGTCTCACCTTCTTCTTGATGCTTCCAGAGACAGTAAAGA
 ACAGGTCCAAAAAGGTTCAAAGAAAGCCAACAGCAGCGGTGGCGCGCGCGCGGCAGCGTTGGCAG
 TGGGAGCAGCAAGTTGCCCCAGTTTGTATGAAATAATTACCTTGAAGACTAAAAAGAAGAAGATG
 GCTGCTGATATATCCCCGTAAGAAGCCAGCCAACCTCCAGCAGCACCCTGTCCAGCAGCAGCACCAGC
 ACCAGCACAACTCTGTAAACAACCTCATCCCGCCCCCAACTGGCAGGGTCTTTATCCACCATCCG
 AGAAAGAAATGCGGTGATGTTCAATAATGACTTGATGGCAGACGTACATTTTGTGGTTGGGCCACCAGGT
 GGGACTCAGCGGTTGCCAGGACACAAATACGTCTCGTGTGGGAGCTCAGTGTTCATGCAATGTTTT
 ACGGAGAACTCGCTGAGGACAAAGATGAAATCCGAATCCAGACGTGAACCTGTGCCTTCTCGCCAT
 GCTGAAATACATCTATTGTGATGAAATTGACTTGGCTGCAGACACAGTGTGGCCACACTGTATGCTGCC
 AAAAGTACATAGTTCTCACCTCGCCAGAGCCTGTGTTAATTTCTGGAGACCAGCCTAAGCGCCAAGA
 ACGCCTGCGTACTCCTCTCCAGAGCTGCCTGTTTGAAGAGCCGACCTGACACAGCGTTGCTGGGAGGT
 GATTGATGCCCAGGCCGAGTTAGCGCTCAAGTCTGAGGGATTCTGTGACATCGACTTCCAGACACTCGAA
 AGTATCTCCGCAGGGAACGCTGAATGCCAAAGAAATAGTGGTTTTGAGGCAGCCCTGAACCTGGGCTG
 AGGTAGAATGCCAGCGGCAAGATCTGGCCCTGAGCATTGAAAAATAACGCAAGGTCTAGGAAAGCCCT
 GTACTTGATCCGCATCCCCACCATGGCCCTGGATGACTTGGCAATGGTGTGCACAGCTGGGGTATTG
 ACTCTCAATGAGACCAATGACATCTTCTCTGGTACACTGCATCCAAAAACCAGAGCTGCAGTTTGTGA
 GTAAAGCCCGCAAGGGCCTGGTCCCCAGCGTTGCCACCGATTTCAGTCATGTGCCTATCGGAGCAACCA
 GTGGCGCTATCGGGTTCGCTGTGACAGCATCCAGTTTGCTGTTGATAAGAGGGTGTTCATCGCAGGCTTT
 GGGCTGTACGGCTCCAGCTGTGGCTCTGCCGAGTACAGCGCAAAGATCGAACTCAAACGGCAGGGCGTTG
 TCCTGGGCCAGAACTTGAGCAAGTACTTCTCAGACGGATCCAGCAATACCTTCCCTGTGTGGTTTGA
 TCCAGTGCAGATTGAGCCGGACACCTTCTACACAGCCAGTGTAGTGTGGACGGCAATGAACCTCAGCTAC
 TTTGGGCAGGAAGGCATGACGGAAGTTCAGTGTGGCAAGGTGACTGTCCAGTTCAGTGTCTCTCAGACA
 GCACCAATGGCACTGGTGTACAGGGAGGGCAGATCCCCGAACCATATTCTACGCC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208523 representing BC018174
 Red=Cloning site Green=Tags(s)

MVDDKEKNMKCLTFFLMLPETVKNRSKKGSKKANSSGGGGGGSVSGSSKLPPVCYEIITLKTKKKKKM
 AADIFPRKKPANSSSTTVQQHQHQHNLNNLIPAPNWQGLYPTIRERNAVFMNNDLMADVHFVVGPPG
 GTQRLPGHKYVLAVGSSVFHAMFYGELAEKDDEIRIPDVEPAFLAMLKYIYCDEIDLAADTVLATLYAA
 KKYIVPHLARACVNFLETSLSAKNACVLLSQSCLFEEDLTQRCWEVIDAQAEALALKSEGCDIDFQMLE
 SILRRETLNAKEIVVFEALNWAEEVCQRQDLALSIENKRKVLGKALYLIRIPTMALDDFANGAAQSGVL
 TLNETNDIFLWYASKKPELQFVSKARKGLVPQRCHRFQSCAYRSNQWRYRGRCDISIQFAVDKRVFIAGF
 GLYGSSCGSAEYSAKIELKRQGVVLGQNLKYFSDGSSNTFPVWFEPVQIEPDTFYTASVLDGNELSY
 FGQEGMTEVQCGKVTQVQCSSDSTNGTGVQGGQIPELIFYA

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

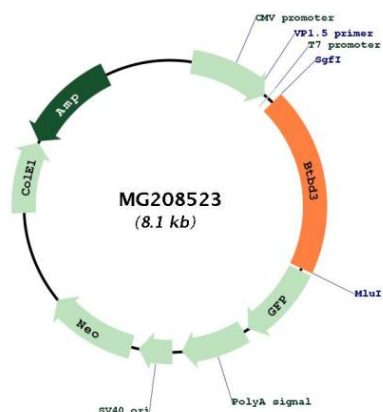


ACCN:	BC018174
ORF Size:	1596 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own 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:	BC018174.1
RefSeq Size:	2436 bp
RefSeq ORF:	1598 bp
Locus ID:	228662

Cytogenetics: 2 F3

Gene Summary: Acts as a key regulator of dendritic field orientation during development of sensory cortex. Also directs dendrites toward active axon terminals when ectopically expressed.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG208523