

Product datasheet for **RC238364**

BTBD3 (NM_001282550) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	BTBD3
Synonyms:	dJ742J24.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence: >RC238364 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCTGCTGATATATCCCCGTAAAAAGCCAGCCAACTCCAGCAGCACCAGCGTCCAGCAGTACCACC
 AGCAGAATCTCAGTAACAACAACCTTATCCCGGCCCAAACTGGCAGGGTCTTTATCCCACTTAGAGA
 GAGAAATGCGATGATGTTCAATAATGATTTGATGGCAGATGTACATTTTGTGGTGGGCCACCAGGTGGG
 ACTCAACGGTTGCCAGGACACAATATGTTTTAGCTGTTGGGAGCTCTGTGTTCCATGCGATGTTTTACG
 GAGAACTTGCAGAGGACAAAGATGAAATCCGTATACCAGATGTGCAACCTGTGCTTTTCTCGCTATGCT
 GAAATATATCTATTGTGATGAAATTGACTTGGCTGCTGACACAGTGTGGCCACACTTTATGCTGCCAAA
 AAGTACATTGTCCCTCACCTTGCCAGAGCCTGTGTTAATTTCTGGAGACCAGCCTGAGTGCCAAGAATG
 CCTGTGTGCTCCTCTCCAGAGCTGCCTGTTGAGGAGCCAGACCTGACCCAGCGTTGCTGGGAGGTGAT
 TGATGCCCAGGCTGAGTTAGCTCTCAAGTCTGAGGGATTCTGCGATATTGACTTCAGACACTAGAAAGT
 ATTCTCCGTAGGGAACTCTGAATGCCAAAGAAATTGTGGTTTTTGGGAGCTCTCAACTGGGCTGAAG
 TAGAATGCCAACGACAAGATCTGGCGTTGAGCATTGAAATAAACGCAAGGTTCTAGGAAAGGCACTTTA
 CTTGATCCGCATACCCACAATGGCCCTCGATGATTTTGCAATGGTGTGCACAGTCCGGGGTATTAAC
 CTCAATGAGACCAACGACATCTTCTCTGGTATACTGCAGCCAAAAGCCTGAGCTTCAGTTTGTGAGTA
 AAGCCCGTAAGGGCCTTGTCCCCAGCGCTGTACCGTTTCCAGTGTGTGCTATCGAAGCAACCAATG
 GCGCTATCGTGGTGTGTGACAGCATCCAGTTTGAGTTGATAAAAGAGTGTTCAATTGCTGGCTTTGGG
 CTGTATGGCTCCAGCTGTGGTCTGCAGAATACAGTGCCAAGATTGAACCTAAGCGGCAGGGCGTTGTCC
 TGGGGCAGAACTTGAGCAAGTACTTCTCAGATGGGTCCAGCAATACCTTTCCCGTATGGTTGAATACCC
 AGTGACAGATCGAGCCAGACACCTTCTACACAGCCAGTGTGATACTGGATGGCAATGAACTCAGCTACTTT
 GGACAAGAAGGCATGACAGAAGTTCAGTGTGGCAAAGTGACTGTCCAGTTTCAGTGCTCCTCAGATAGCA
 CCAATGGCACTGGGTACAGGGAGGGCAGATCCCTGAACCTTATATTCTATGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC238364 protein sequence
 Red=Cloning site Green=Tags(s)

MAADIFPRKKPANSSSTSVQQYHQNLNNLIPAPNWQGLYPTIRERNAMMFNNDLMADVHFVVGPPGG
 TQRLPGHKYVLAVGSSVFHAMFYGELAEDKDEIRIPDVEPAFLAMLKYIYCDEIDLAADTVLATLYAAK
 KYIVPHLARACVNFLETSLSAKNACVLLSQSCLFEEDLTQRCWEVIDAQELALKSEGFCIDFQTLES
 ILRRETLNAKEIVVFEALNWAEEVCQRQDLALSIENKRKVLGKALYLIRIPTMALDDFANGAAQSGVLT
 LNETNDIFLWYTAACKPELQFVSKARKGLVPQRCHRFQSCAYRSNQWRYRGRCDISIQFAVDKRVFIAGFG
 LYGSSCGSAEYSAKIELKRQGVVLGQNLKSKYFSDGSSNTFPVWFEYVPVQIEPDFTYASVILDGNELSYF
 GQEGMTEVQCCKVTQFQCSSDSTNGTGVQGGQIPELIFYA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6446_g12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282550

ORF Size: 1383 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_001282550.1](#), [NP_001269479.1](#)

RefSeq Size: 4507 bp

RefSeq ORF: 1386 bp

Locus ID: 22903

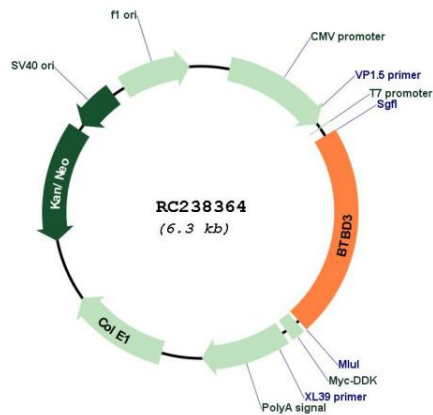
UniProt ID: [Q9Y2F9](#)

Cytogenetics: 20p12.2

MW: 51.5 kDa

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 (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC238364