

Product datasheet for **MR229579**

Btbd8 (NM_001255991) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Btbd8 (NM_001255991) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Btbd8
Synonyms: EG627196; Gm16115; OTTMUSG00000030610
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229579 representing NM_001255991
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCACTGTGGAGCGGGAGGTGCGGCCCGGTGGCCCTTCTGAGTTCGCCGGGCATGGCAGGAAGG
GGCTGCCAGGAAGGGGCCGGGGAGCGGCCCGGCTGAAGGCGCGGTGTCGGAGCAGCTCAGCCGCGA
CGTGCTCAGGCTTTAAGGGAGGAAATCCACACAGACACCATTCTTCTGTCAGTGGCTCGCTGTTCAA
GTGCACAAGGCAGTCTTGTAGCCAGAGCTCCTGGCTTTCATTCCCATATCATTGAACACACATCAAGT
ACCTAACAAATGAGCTTGTCTGTGGATGGTGTGAAGCTTCAGAAATTAAGCATTTCACAGATTGT
ATATTCATCAAACAAAAACATAAAAACTATGAAGAGGAAATGTTAAAAAACTGAAAGTGGGAAGCTTA
ATGCCAGAAAAGGGGCCAGAGCTCAGCTTCCCGCGGTATAGAATTCGTCGACTGTTTTCTGGGAAAG
GTGAAATCCAGAGGATATTACTGGTGGAGGTGACTGCTTTATTTCCAAGGCTGATTCTGACCTGGAGCC
TGCGTCTGAGTTAGGAGGAGATTTGTTGAAGCTTACCTGAGTCAGCACTACCCTGACATTGACATTTGT
GTTGATGGGAGGAGCTTCCGAGCCACAGGGCCATTTAAGTGCCAGGTCGAGTTATTTGCTGCAATGC
TGAGTGGCTGCTGGGCTGAAAGCTCCAAGAGTATTACTCTCAAGGAATAACCCATGTAGAAATGAA
TGTTATGATGCATTTATATATGGAGAACTTTGGATTTCCCGAAAAGGCTAATGTTGGTCAGATACTG
AACGTGGCTGATGTATGGACTGGAAGGATTGAGAGAAGTAGCAATCTATGTTTTAAGAAGAGATTACT
GTAATTTCTTTCAGAAGCCTGTTCCAGAACGTGGGCATCAATCTAGAATGCTTAATCATTGCTCATT
AGTCGGAGTGGAAAGCCTTTTGGCTGACTGCATGAACTGCATTATAAGCCATTTTGAAGTTTTGGTGC
GAAAGAAGCTTTGCAATGTTCTCCTGAGATTCAGAAAACCTGTCTCAGTATGCAGATTCAGTCCCTAG
TGAGTATAGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229579 representing NM_001255991
 Red=Cloning site Green=Tags(s)

MAHCGAGGAAPVALLSSPGHGRKGLPRKGPGERRRLLKAAVSEQLSRDVLRLLEEIHTDTILSVSGSLFK
 VHKAVLLARAPGFHSHIEHTSSDLTNELVPVDGVEASEFKAFLLQIVYSSNKNIKNYEEEEIVKCLKVGS
 MPEKGPVDFPRYRTSSDCFLGKGEIPEDITGGGDCFISKADSDLEPASELGGDLLKLYLSQHYPDIDIC
 VDGRSFRAHRAILSARSSYFAAMLSGCWAESSQECITLQGITHVEMNMMHFIIYGGTLDPFPEKANVGQIL
 NVADMYGLEGLREVAIYVLRDYNCFQKPVPRTWASILECLIIAHSVGVESLFDACMNCIIISHFARFWS
 ERSFANVPPEIQKTCLSMQIQSLVSIIV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

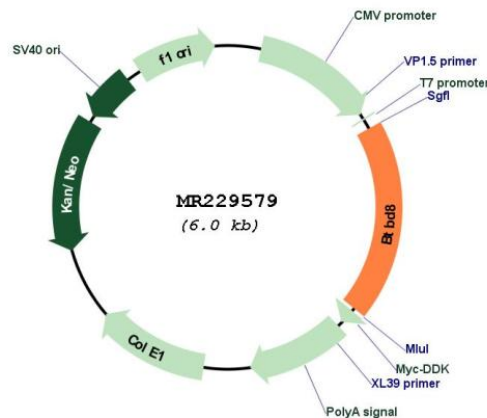
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001255991

ORF Size:	1131 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:	NM_001255991.1 , NP_001242920.1
RefSeq Size:	1134 bp
RefSeq ORF:	1134 bp
Locus ID:	100503185
UniProt ID:	D3YUB6
Cytogenetics:	5 F
MW:	42 kDa
Gene Summary:	Involved in clathrin-mediated endocytosis at the synapse. Plays a role in neuronal development and in synaptic vesicle recycling in mature neurons, a process required for normal synaptic transmission.[UniProtKB/Swiss-Prot Function]