

## Product datasheet for **RR203333**

### Zbtb44 (NM\_001034942) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb44 (NM_001034942) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb44
Synonyms:	Btbd15; RGD1308984
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR203333 representing NM\_001034942  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTGTGAAAACATTTACTCACAGCTCCTCTCCACAGCCAGGAAATGCTGGGAAAACATAATATGC  
 TACGAAATGACGGACATTTTTGTGATATCACTATTCGTGTCCAGGACAGAATCTTCCGGCTCACAAAGT  
 GGTACTAGCAGCTTGCAGTGATTTCTTTGAAACAACTTGTGGGCCAAACAGAGGATGAGAACAAAAAT  
 GTGTTGGATCTGCATCATGTTACAGTACTGGCTTTATACCTCTGCTGGAATACGCTTACACAGCCACTC  
 TGTCCATTAACACGAAAAATATTATTGATGTTCTAGCAGCAGCCAGCTATATGCAAAATGTTTAGTGTTC  
 TAGTACGTGCTCAGAGTTCATGAAATCAAGTATTTTGTGGAATACACCTAATAGCCAACCCAGAAAAGGT  
 CTAGATGCTGGACAAGAAAATAGTTCCAACCTGCAATTTACTTCTCGAGATGGAAGCATTCTCCAGTGT  
 CTTCCGAGTGCAGTGTGTGAAAGGACCATTCTGTCTGCCGAGAGTCCCGGAGAAAACGAAAAGCTA  
 CATTGTTATGTCTCCTGAGAGCCCTGAAAATGTAGCACAAAAAAATCCCCCAGGACTGAATTCT  
 TCAGCTTCCTATGCAGAAAATAGAAATCAGCCAGTTGATCTCTTTAGGGTTTCCATGGACTTTCCCTT  
 TTGGAATTGATAGGAGGATTCAGCCTGAGAAAGCAAAGCAGGCAGAAAATACCCGGACTTTAGAGTTGCC  
 TGGCCCGTCCGAGGCAGGTAGAAGGATGGCTGACTATGTACTTGTGAGAGCACAAAAACTACCTTGCT  
 CTAGGTACAGAAGAAGACGTCCGGGTCAAAGTAGAAAGATTAAGTGATGAGGAGGTTTATGAGGAAGTGT  
 CCCAGCCCGTTAGTGCATCTCAGAGTCACTGAGTGATCAGCAGACGGTGCCTGGAAGTGAACCAGTTCA  
 AGAGGACCTTCTGATTAGTCCACAGTCTTCTCTATAGGCTCAGTGGATGAAGGAGTCACTGAAGGATTG  
 CCTACACTCAGAGCACTCCAGCACCAATGCTCATGCAGATGAGGATGACAGATTGGAAAATGTTTCAGT  
 ATCCCTATCAACTGTACATTGCTCTTCTACCAGCAGTACAGAACGACCAAGTCCAAATGGTCCAGACAG  
 ACCTTTTCAATGTCCAACCTGTGGGGTTCGCTTACCCGTATTCAGAATCTAAAACAGCACATGCTTATC  
 CACTCAGGAATTAACCATTTTCAGTGTGACTGCTGTGAAAAAAGTTTACCAGGGCTTACTCGCTAAAGA  
 TGCATCGCCTAAAGCACGAAGTATTTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR203333 representing NM\_001034942  
 Red=Cloning site Green=Tags(s)

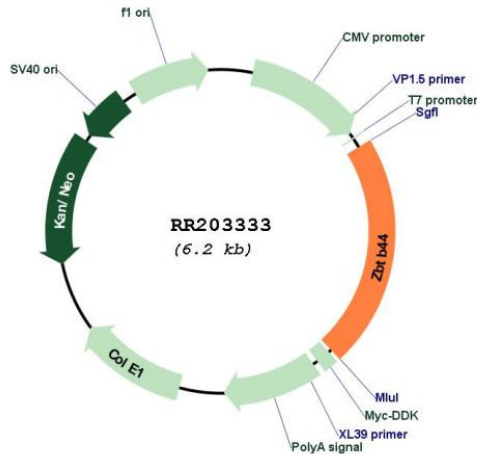
MGVKFTFHSSSSHSQEMLGKLNMLRNDGHFCDITIRVQDRIFRAHKVVLAAACDFRTRKLVGQTEENKN  
 VLDLHHVTVTGFIPLEAYATLSINTENIIDVLAASYMQMFSVASTCSEFMKSSILWNPNSQPEKG  
 LDAGQENSSNCFNFSRDGSI SPVSSECSAVERTIPVCRESRRKRKSYIVMSPEPVCSTQTNSPQVLNS  
 SASYAENRNQPVDSLAFPWTFPFIDRRIQPEKAKQAENTRTLELPGPSEAGRRMADYVTCSTKTTLP  
 LGTEEDVRVKVERLSDEEVHEEVSQPVASQSSLSDQQTVPGESEPVQEDLLISQSSSIGSVDEGVTEGL  
 PTLQSTSSSTNAHADEDDRLENVQYPYQLYIAPSTSSSTERPSPNGPDRPFQCPCTCGVRFTRIQLKQHMLI  
 HSGIKPFQDCCKKFTRAYSLKMHRLKHEVIS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001034942

**ORF Size:** 1359 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.

**RefSeq:** [NM\\_001034942.1](#), [NP\\_001030114.1](#)

**RefSeq Size:** 2730 bp

**RefSeq ORF:** 1362 bp

**Locus ID:** 363035

**UniProt ID:** [Q3SWU4](#)

**Cytogenetics:** 8q13

**MW:** 50.3 kDa