

Product datasheet for **RR201331**

Zbtb2 (NM_001107460) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb2 (NM_001107460) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR201331 representing NM_001107460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTGACCAACCATGGACTTATTCTACTGCAGCAGTTAAACGCTCAGCGGGAGTTGGGTTCTGT
 GTGACTGCACGGTTGCAATCGGGCATGTGTACTTCAAGGCACACAAATCGGTTCTCGCTTATTCTCAA
 TTACTTTAAGATGTTGTTTGTCCATCAGACCAGTGAATGTGTCCGCTGAAGCCCACTGACATACAGCCT
 GACATATTCAGCTATCTGCTCCACCTGATGTACACCGGGAAGATGGCCCCACAGCTCATCGACCCTGTGC
 GGTTGGAGCAAGGGATCAAATTCCTGCACGCATACCCCTCATCCAGGAAGCCAGCCTTCCAGCCAAGG
 CACATTTTCCATCCTGAGCAAGTCTTCCCGCTGGCCTCATCCTTGTATGGCATTCAAATTCAGACCAC
 CAGCTGAGACAAGCCACCAAGATGAATTTGGGGCCTGAGAACTTGACGGGAGCCTAGGCCGAGGCAT
 CCAGGATGAACCAGGAGCCTGTGCCAGAGACCTCGCAGCTGTCCAGCTGACTTCAAACCTGGCCCAGT
 GAATCGGACAAACATGACTCCCAGCCAGCCCTGCAGACCTCGCTGTACCTGAACCTGTCTCCACACT
 GTTCTCCCTCCTCCTGGGGAGGAGACTAACCTGGAGGCTTCTCCTCGGACGAGCAGCCATCATCCC
 TTACGATTGCCACGTAACAAGCATCATGAAGAGGAATGGAAGCTTCCCAAGTACTATGCCTGCCA
 CCTGTGCGGCCGTGCTTCACTGCGCAGCAGCCTGCGGGAGCACCTGCAGATCCACACCGGGTACCC
 TTCACGGCAGGCCACCTGGGAAGGCCGAGGGCCCTGTGCTCTGCAGCAATGCAGCCGACCTGGGCA
 AGGATGCTCTGGAAGTACCGGAGGCGGGGATGATCAGCGACAGTGAGCTGCAGCACATCTCCGATCCCC
 CATCATTGATGGGAGCAACAGTCGGAGACACCACCGCCTCAGACATTGCGGACATCGACAACCTGGAG
 CAGGCAGACCAAGAGAGGAAGTGAAGAGGCGCAAGTACGAGTGACAGTCTGCGGCCGCAAGTTCACTC
 AGAAAAGCCACTGGCGTGAGCACATGTACATTACACAGGCAAAACCTTCAAGTGCAGCACCTGCGACAA
 GAGCTTCTGCAGGGCAACCAGGCGCAGCCAGGTGTGCTCAACCAGAGCATCGACACCTACACCATG
 GTGGACAAGCAGACACTAGAGCTCTGCAGTGTGAGGAGGCGAGCCAGATGGACAATATGCTGGTGCAGG
 CCAACAAGCCCTACAAGTGAACCTGTGTGACAAGACGTTCTCCACACCAATGAGGTGGTCAAACACTC
 CTGCCAGAACCAGAACTCAGATGTGTTTCCCTGGATGAGGGGCGGTGAGTCTTCTGGGAGTGGGGAC
 TCAGAAGTGAAGTACCCTGACCACCGGTGTAGCAGCCATCAAAAAGGAACAGGAGACTGTGTTACTAG
 AC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR201331 representing NM_001107460
 Red=Cloning site Green=Tags(s)

MDLTNHGLILLQQLNAQREFGLCDCTVAIGDVYFKAHKSVLASFSNYFKMLFVHQTSECVRLKPTDIQP
 DIFSYLLHMYTGKMAPQLIDPVRLEQGIKFLHAYPLIQEASLASQGTFSHPQVFPPLASSLYGIQIADH
 QLRQATKMNLGPEKLGREPRPQASRMNQEPVPETSQLSQLTSNLAQVNRNMTNMPADPLQTSLSPELVSTP
 VPPPPPEETNLEASSSDEQPSSLTIAHVKPSIMKRNGSFPKYYACHLCGRRFTLRSSLREHLQIHTGVP
 FTAGPPGEGRPLSLCSNAADLGKDALEVP EAGMISDSELQHISDSPIIDGQQQSETPPPSDIADIDNLE
 QADQEREVKKRYECTICGRKFIQKSHWREHMYIHTGKPFKSTCDKSF CRANQAARHVCLNQSIDTYTM
 VDKQTLLELCTFEEGSQMDNMLVQANKPYKCNLCKTFSTPNEVVKHSCQNQNSDVFALDEGRSVLLGSGD
 SEVTPDPHPVLAAIKKEQETVLLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

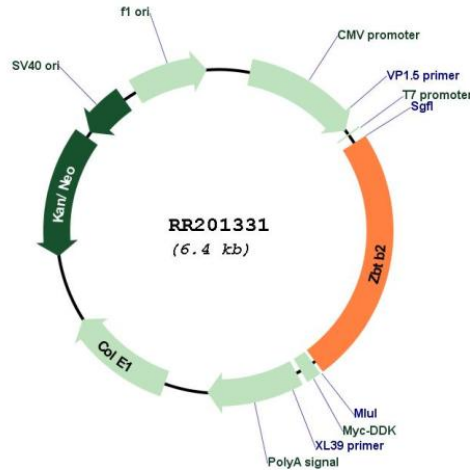
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001107460

ORF Size: 1542 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_001107460.1](#), [NP_001100930.1](#)

RefSeq Size: 3068 bp

RefSeq ORF: 1545 bp

Locus ID: 308126

Cytogenetics: 1q11

MW: 57.2 kDa