

## Product datasheet for **RR207034**

### Zbtb17 (NM\_001012105) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb17 (NM_001012105) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb17
Synonyms:	Zfp100
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR207034 representing NM\_001012105  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTTCCCCAGCACAGCCAGCGTGTCTTGGAGCAGCTGAACCAGCAGCGGCAAATGGGCCCTCTCT  
 GTGACTGCACCTTTGTGGTGGACGGCGTTGACTTCAAAGCTCACAAGCGGTGCTGGCAGCTGCAGCGA  
 GTACTTCAAGATGCTCTTTGTGGACCAGAAGGATGTGGTGCACCTGGACATCAGTAAATGCCGCAGGCCTG  
 GGGCAGGTGCTGGAGTTCATGTACACTGCTAACTGCACCTTAGCCCTGAGAAGCTGGATGATGTTCTGG  
 CTGTGGCCAGCTTCTCCAGATGCAGGACATTATCACAGCCTGCCACACCCTGAAGTCCCTCGTGAGCC  
 CACCAGCACCCTGGGGAGAGTGCAGACGCCTCGGCCGAGGAAGTCTGTTGTGTTCTGTCTCCAGGAGGA  
 GACAAGCGAGCCAAAGAAGAGAAGGCTGCCGCCACCGTGTGAGCAGGCTGGACCAAGCAAGAAGCAGTT  
 CATCCGCAGGCCAGGCAGAGAGCTCAAAGAGGAGTGGGGTGGTCAAGCAGAGAGTGCATCCAGGGGCGC  
 AGAACAGACGGAGAAGGCCGACGCGCCCGGGAGCCTCCACCTGTGGAGCTCAAGCCGACCCACAGAGC  
 AGCATGGCTGCTGCAGAAGCGGAAGCCTTATCAGAGAGCTCAGAGCAAGAAATGGAAGTGGAAACAGCCA  
 GCAAAGGAGAAGAGGGCCAAGAGGAAGAGGGCCAGGGCCTGCCACGGTCAAGGAAGAGGGCGTTACCT  
 GGAGAACGGGGAGCCTCCTGAGGAGAATGAAGAGTCTGCGGGCACAGACTCTGGGCACGAGCTTGGCATG  
 GAGGGCCAGAACCTGCGCTCGGGCACCTACGGGGACCGACTGAGTCCAAGGCTTATGGCTCCATCATCC  
 ACAAGTGCAGGACTGCGGGAAGGAGTTCACGCACACAGGGAACCTCAAACGGCAGATCCGCATCCACAC  
 GGGTGAGAAGCCATTCTCTGTGCGGAGTGCAGCAAGGCTTTCTCGGACCCCGCAGCCTGCAAGGCTCAC  
 GAGAAGACACACAGCCCCTTAAACCCTATGGGTGCGAGGAGTGGCGCAAGAGCTACAGGCTCATCAGCC  
 TGCTGAACCTGCACAAGAAGAGGCACTCGGGGGAGGCGCGCTACCGCTGCGGGGACTGCGGCAAGCTCTT  
 CACCCTTCCGGCAACCTCAAGCGCCACCAGCTGGTACACAGTGGCCAGAACCCTACCAGTGCAGTAC  
 TGTGGCCGTTTATTCTCCGACCCACGTCGAAGATGCGCCACCTGGAGACCCATGACACTGACAAGGAGC  
 ACAAGTGCCTCACTGTGACAAGAAGTTCAACCAGGTGGGGAACCTGAAGGCCCACTTGAAGATCCACAT  
 TGCTGACGGCCCTCTCAAGTGCCGGGAGTGCAGGGAAGCAATTCACCACCTCAGGGAACCTCAAGCGGCAC  
 CTGCGGATCCACAGCGGGGAGAAGCCGATGTATGCACCCACTGTGAGCGGAGTTTGTGACCCAGGCG  
 CGCTGCAGCGGCACGTACGGATCCACACGGGTGAGAAGCCGTGTCAGTGCCTGATATGTGGCAAGGCCTT  
 CACCCAAGCCAGTCCCTCATCGCCACGTACGCCAGCACACGGGGGAGAAGCCCTATGTCTGTGAACGC  
 TGTGGCAAGAGATTTGTCCAGTCAAGCCAGTTGGCCAATCACATTCGTCACCATGACAACATCCGCCAC  
 ACAAGTGCAGCGTGTGTAGCAAGGCCTTCGTGAATGTGGGGGACCTGTCCAAGCAGATTATCATCCACAC  
 TGGAGAGAAGCCTTACTTATGTGACAAGTGTGGCCGTTGTTTCAACCGGGTAGACAACCTGCGTTCTCAC  
 GTAAAGACCGTGCATCAGGGCAAGGCGGGCATCAAGATCCTGGAGCCAGAAGAGGGTGGTGGAGTACGCG  
 TGGTCACTGTGGACGACATGGTCACTGGCCACTGAGGCACTGGCAGCGACAGCGGTCACTCAGCTCAC  
 AGTGGTACCAGTCCGGGCGCAGTGCAGCTGATGAGACGGAGTTCTCAAAGCTGAGATCAGCAAAGCT  
 GTCAAGCAAGTGCAGGAAGAAGATCCCAACACCCACATCCTGTATGCGTGTGATTCTGTGGGACAAGT  
 TCCTGGATGCCAATAGCCTGGCCAGCAGTTCGGATCCACACAGCACAGGCACTGGTCAATGTTCCAGAC  
 GGATGCGGACTTCTACCAGCAGTACGGGCCAGGTGGCGCTGGCCAGCCGGGAGATGCTGCAGGCTGGA  
 GAGCTGGTCTTCCGTCTAGGGATGGGACTGAGGGCCAGCCACACTGGCAGAACTCCACCCACAGCTC  
 CTGATTGCCTACCACCTGCCGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207034 representing NM\_001012105  
 Red=Cloning site Green=Tags(s)

MDFPQHSQRVLEQLNQQRQMGLLCDCTFVVDGVDFKAHKAVLAACSEYFKMLFVDQKDVVHLDISNAAGL  
 GQVLEFMYTAKLHLSPENVDDVLAVASFLQMQDIITACHTLKSLAAPTSTTGESADASAEVCCVLSPPG  
 DKRAKEEKAAATVLSRLDQARSSSSAGPGRELKEEWGGQAESASRGAEQTEKADAPREPPVLPDPTS  
 SMAAAEAEALSESSEQEMEVEPASKGEEGQEEEGPGPATVKEEGVHLENGEPPEENEEESAGTDSGHELGM  
 EGQNLRSPTYGDRTESKAYGSIHKCEDCGKEFTHTGNFKRHIRIHTGEKPFSCRECSKAFSDPAACKAH  
 EKTHSPLKPYGCEECKGSYRLISLLNLHKKRHSGEARYRCGDCGKLFSTSGNLKRHQLVHSGQKPYQCDY  
 CGRSFSDPTSKMRHLETHDTEKHKCPHCDDKFNQVGNLKAHLKIHIADGPKKCRECGKQFTTSGNLKRH  
 LRIHSGEKPYVCTHCQRQFADPGALQRHVRIHTGEKPCQCVICGKFTQASSLIAHVRQHTGEKPYVCER  
 CGKRFVQSSQLANHIRRHNDIRPHKCSVCSKAFVNVGDL SKHIIHTGEKPYL CDKCGRGNRVDNLRSH  
 VKTVHQKAGIKILEPEEGEVS VVTVDDMVT LATEALAAVTQLTVVPVGAAVTADETEVLKAEISKA  
 VKQVQEEDPNTHILYACDSCGDKFLDANSLAQHVRIHTAQALVMFQTDADFYQYGPGGAWPAGQMLQAG  
 ELVFRPRDGTGQPTLAETPPTAPDCLPPAE

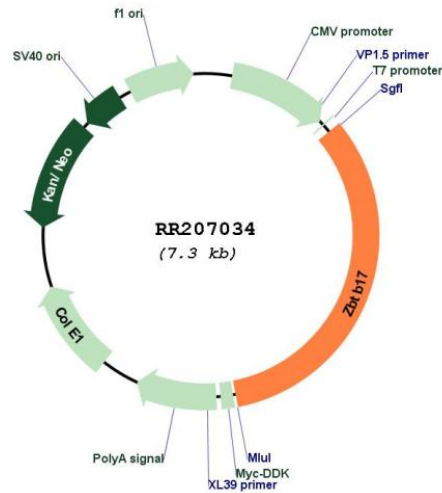
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001012105

**ORF Size:** 2403 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\\_001012105.1](#), [NP\\_001012105.1](#)

**RefSeq Size:** 2795 bp

**RefSeq ORF:** 2406 bp

**Locus ID:** 313666

**Cytogenetics:** 5q36

**MW:** 87.7 kDa