

## Product datasheet for **RN214241**

### Zbtb16 (NM\_001013181) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb16 (NM_001013181) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb16
Synonyms:	Lx; Plzf; Zfp145; Znf145
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214241 representing NM\_001013181  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGATCTGACAAAGATGGGTATGATCCAACCTGCAGAACCCTAGCCACCCACGGGGCTGCTGTGCAAGG  
 CCAATCAGATGCGACTGGCCGGGACTTTGTGCGATGTGGTCATCATGGTGGACAGTCAGGAGTTCCATGC  
 CCACCGGACGGTCTAGCCTGCACCAGCAAGATGTTTGAGATCCTCTCCACCGGAACAGCCAGCACTAC  
 ACCCTGGACTTCTCTCGCCGAAAACCTTCCAGCAGATCCTCGAGTATGCCTACACAGCCACACTGCAAG  
 CCAAAGCAGAGGACCTGGATGACCTGCTGTACGCAGCTGAGATCCTAGAGATCGAGTACCTGGAGGAGCA  
 GTGCCTGAAGATCCTGGAGACCAAGCATCTGATGACAATGACACAGAAGCCACCATGGCCGACGGT  
 GGGGGCGAAGAAGAAGAGGACCGTAAGGCTCGATACCTCAAGAACATCTCATCTCGAAGCATTCCGGCG  
 AGGAGAGCGGCTATGCCAATGTGGCTGGACAGAGCCTCCCTGGGCCATGGTAGACCAGAGCCCTCGGT  
 CTCACCTCTTTGGTCTCTCAGCCATGAGTCCTACCAAGGCAGCAGTGGACAGTTTGTGACCATAGGA  
 CAGTCACTCCTGCAAGGAGCTCTTCAGCCACCTGCAGGGCCTGAGGAACCCACACTGGCAGGGGGTGGGC  
 GGCACCTGGGGTGGCTGAGGTGCATATGGAGATGATGCAGGTAGATGAAGCCCCCGCCAGGACAGCCC  
 TGGGGCAGCTGAGTCTAGCGTCTCAGGAGGGATGGGGGACAAGCTTGAAGAGAGGAGCAAAGAGGGGCT  
 GGGACCCCACTAGAGGCAGTGTATCACCAGTGTAGGGAGCTGCACTATGGGAGAGAGGAGTGGTG  
 AGCAGCTCTACCCCTGTTGAAGCTGGCCAGGGACCCCTGGACGACAGGAGTCCCTGGCACCACAGT  
 GGAGAAGCATTGGGCATCTACTCAGTGTGCCAACCACAAGGCCGATGCCGTGTTGAGCATGCCGTCT  
 TCAGTGACATCTGGTCTCCATGTGCAACCTGCCCTGGCAGTCTCCATGGACTTCAGCACCTATGGGGT  
 TGCTGCCTCAGGGCTTCATCCAGAGGGAGCTGTTGAGCAAGCTAGGTGAGCTGGCCGTGGGCATGAAGGC  
 GGAGAGCCGTCTCGGGGAGCAGTGCAGTGTGTGGGGTCGAACTCCGGACAACGAGGCCGTGGAG  
 CAGCACAGGAAGCTGCACAGTGGGATGAAGACATACGGATGCGAACTCTGTGAAAAACGGTTCCTGGATA  
 GTTTGCGACTGAGAATGCATTTACTGGCTCATTACGCGGGTGCCAAAGCCTTTGTATGTGATCAGTGTGG  
 CGCCAGTTCTCAAAGGAAGATGCCCTGGAGACACACAGACAGACCCATACTGGCACGGACATGGCTGTC  
 TTCTGTCTGCTGTGGGAAGCGCTTTCAGGCACAGAGTGCACCTCCAGCAACACATGGAGGTCCACGCG  
 GCGTGCAGCTATATCTGCAGCGAGTGAACCGCACCTCCCCAGCCACACGGCTCTCAAGCGCCACCT  
 TCGCTCACATACAGGTGACCACCATATGAGTGTGAGTCTGTGGCAGCTGCTTCCGGGATGAGAGCACA  
 CTAAGAGCCACAAGCGCATCCACACAGGGGAGAAGCCCTATGAGTGTAAATGGCTGTGGCAAGAAGTTCA  
 GCCTCAAGCACCAGCTGGAGACGCACTACAGGGTTCACACAGGTGAGAAGCCCTTTGAGTGCAAACCTCTG  
 CCACCAGCGCTCCCGAGACTACTCGGCCATGATCAAGCACCTGAGAACACACAATGGTGCCTCACCCCTAC  
 CAATGCACCATCTGCACGGAATACTGCCCCAGCCTCTCCTCCATGCGAAGCACATGAAGGGCCACAAGC  
 CGGAGGAGATCCCGCCTGACTGGAGGATAGAGAAGACATACCTCTACCTGTGTTATGTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM\_001013181
- Insert Size:** 2022 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_001013181.1](#), [NP\\_001013199.1](#)

**RefSeq Size:** 2306 bp

**RefSeq ORF:** 2022 bp

**Locus ID:** 353227

**Cytogenetics:** 8q23

**Gene Summary:** mouse homolog is involved in positioning of the anteroposterior border in developing hindlimb buds [RGD, Feb 2006]