

Product datasheet for **RR214241**

Zbtb16 (NM_001013181) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR214241 representing NM_001013181
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATCTGACAAAGATGGGTATGATCCAACCTGCAGAACCTAGCCACCCACGGGGCTGCTGTGAAGG
 CCAATCAGATGCGACTGGCCGGGACTTTGTGCGATGTGGTCATCATGGTGACAGTCAGGAGTTCCATGC
 CCACCGGACGGTCTAGCCTGCACCAGCAAGATGTTTGAGATCCTCTCCACCGAACAGCCAGCACTAC
 ACCCTGGACTTCTCTCGCCGAAAACCTTCCAGCAGATCCTCGAGTATGCCTACACAGCCACACTGCAAG
 CCAAAGCAGAGGACCTGGATGACCTGCTGTACGCAGTGAGATCCTAGAGATCGAGTACCTGGAGGAGCA
 GTGCCTGAAGATCCTGGAGACCAAGCATCTGATGACAATGACACAGAAGCCACCATGGCCGACGGT
 GGGGGCGAAGAAGAAGAGGACCGTAAGGCTCGATACCTCAAGAACATCTCATCTCGAAGCATTCCGGCG
 AGGAGAGCGGCTATGCCAATGTGGCTGGACAGAGCCTCCCTGGGCCATGGTAGACCAGAGCCCCCTCGGT
 CTCACCTCTTTTGGTCTCTCAGCCATGAGTCCTACCAAGGCAGCAGTGGACAGTTTGATGACCATAGGA
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 TCAGTGACATCTGGTCTCCATGTGCAACCTGCCCTGGCAGTCTCCATGGACTTCAGCACCTATGGGGTCT
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 TTCTGTCTGCTGTGGGAAGCGCTTTCAGGCACAGAGTGCACCTCCAGCAACACATGGAGGTCCACGCAG
 GCGTGCGCAGCTATATCTGCAGCGAGTGAACCGCACCTCCCCAGCCACACGGCTCTCAAGCGCCACCT
 TCGCTCACATACAGGTGACCACCATATGAGTGTGAGTCTGTGGCAGCTGCTTCCGGGATGAGAGCACA
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 CAATGCACCATCTGCACGGAATACTGCCCCAGCCTCTCCTCCATGCAGAAGCACATGAAGGGCCACAAGC
 CGGAGGAGATCCCGCCTGACTGGAGGATAGAGAAGACATACCTCTACCTGTGTTATGTG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR214241 representing NM_001013181
Red=Cloning site Green=Tags(s)

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MDLTKMGMIQLNPSHTGLLCKANQMRLAGTLCDDVIMVDSQEFHAHRTVLACTSKMFEILFHRNSQHY
TLDLFLSPKTFQQILEYAYATLQAKAEDLDLLYAAEILEIEYLEEQCLKILETIQASDDNDTEATMADG
GGEEEEDRKARYLKNIFI SKHSGEESGYANVAGQSLPGPMVDQSPSVSTSFGLSAMSPTKAAVDSLMTIG
QSLQALQPPAGPEEPTLAGGGRHPGVAEVHMEMMQVDEAPGQDSPGAAESSVSGMGDKLEERSKEGP
GTPTRGSVITSARELHYGREESGQLSPPVEAGQPPGRQESLAPPVEKHLGIYSVLPNHKADAVLSMPS
SVTSGLHVQPALAVSMDFSTYGGLLPQGFIQRELF SKLGELAVGMKAESRPLGEQCSVCVGPDPNEAVE
QHRKLHSGMKTYGCELCGKRFLLSLRLRMHLLAHSAGAKAFVCDQCGAQF SKEDALETHTQHTGTDMAV
FCLLCGKRFQAQSALQQHMEVHAGVRSYICSECNRTFPSHTALKRHLRSHTGDHPYECFCGSCFRDEST
LKSHKRIHTGEKPYECNGCGKFKSLKHQLETHYRVHTGEKPFECKLCHQSRDYSAMIKHLRTHNGASPY
QCTICTEYCPSSLSSMQHKMGKHPPEEIPPDWRIEKTLYLYCYV
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001013181

ORF Size: 2019 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_001013181.1](#), [NP_001013199.1](#)

RefSeq Size: 2306 bp

RefSeq ORF: 2022 bp

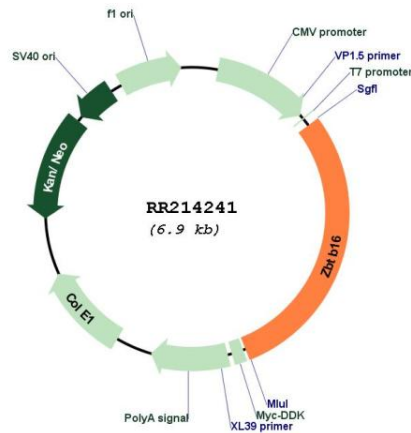
Locus ID: 353227

Cytogenetics: 8q23

MW: 74.2 kDa

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

Product images:



Circular map for RR214241