

Product datasheet for **MC221634**

Zbtb17 (NM_009541) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb17 (NM_009541) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb17
Synonyms:	AA589413; Lp-1; Miz1; mZ13; Zfp100
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221634 representing NM_009541
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGATTTCACAGCACAGCCAGCGTGTCTTGGAGCAGCTGAACCAGCAGCGGCAACTGGCCCTCTCT
 GTGACTGCACCTTTGTGGTGGACGGCGTTGACTTCAAGGCTCACAAAGCGGTGCTGGCAGCTTGCAGCGA
 GTACTTCAAGATGCTCTTTGTGGACCAGAAGGACGTGGTGCACCTAGACATCAGTAAATGCGGCAGGCCTG
 GGGCAGGTGCTGGAGTTCATGTACTGCTAAGCTGAGCCTTAGCCCTGAGAAGCTGGACGATGTTCTGG
 CCGTGGCCAGCTTCTCCAGATGCAGGATATTGTACGGCCTGCCACACGCTCAAGTCCCTCGTGAGCC
 GAGCAGCACCCTGGGGAGAGCGCAGACGCTCAGCTGTGGAAGGAGGAGACAAGAGAGCCAAAGACGAG
 AAGGCCGCTGCCACCATGTTGAGCAGGCTGGACCAAGCAAGAGGCAGCTCCTCCACAGGCCCGGGCAGAG
 AACTCAAGGAGGAGCGGGTGGCCAGGCAGAAAGTGCATCCAGTGGCGCAGAGCAGCGGAGAAGGCAGA
 CGTCCCCGGGAGCCTCCACCTGTGGAGCTCAAGCCGGACCCACAAGCAGCATGGCGGCTGCAGAAAGCC
 GAAGCCTTATCAGAGAGCTCAGAGCAAGAAATGGAAGTGGAGCCAGCCAGCAAAGGAGAAGACGGACAAG
 AGGAAGAGGGTGCAGGGCCTGCCACAGTCAAGGAAGAGGGGATGCATCTGGATAACGGGGAGCCTCTGA
 GGAGAATGAAGAGTCTGCCGGCAGAGTTCTGGGCAGGAGCTTGGCATGGAGGGTCAAGACCTGCCTCG
 GGCACCTACGGGGATCGCACTGAGTCCAAGGCTTACGGCTCCATCCACAAGTGCAGGACTGCGGGGA
 AGGAGTTCACGCACACAGGGAACCTCAAACGGCACATCCGCATCCACACGGGGGAGAAACCTTTCTCATG
 CAGGGAGTGCAGCAAGGCTTTCTCGGACCTGCAGCGTCAAGGCTCATGAGAAGACACAGCCCGTTG
 AAACCTTATGGGTGTGAGGAGTGTGGCAAGAGCTACAGGCTCATCAGCCTGCTGAACCTGCATAAGAAGA
 GGCACCTCCGGGGAGGCGCGCTACCGCTGCGGGACTGTGGCAAGCTTTACCACCTTCAGGCAACCTCAA
 GCGCCACAGCTGGTACACAGTGGCCAGAAACCTACCAGTGCAGTACTGTGGCCGCTCCTTCTCTGAC
 CCCACCTTAAGATGCGCCACCTGGAGACTCACGACACCAGCAAGGAACACAAGTGTCTCTACTGCGACA
 AAAAGTTCACCAGGTGGGGAACCTGAAGGCCACTTGAAGATCCACATTGCCGATGGCCCTCTTAAGTG
 CCGGGAGTGCAGGGAAGCAGTTCACCACCTCAGGGAACCTCAAGCGGCACCTGCGGATCCACAGTGGGGAG
 AAGCCGTACGTATGCACCCACTGTACGGCAGTTCGCGACCCAGGCGCGCTACAGCGGCAGTCCGGGA
 TCCACACGGGTGAGAAGCCGTGCCAGTGTGTGATATGTGGTAAGGCTTTACCAAGCCAGCTCCCTCAT
 CGCCCATGTACGCCAACACACGGGGGAGAAGCCCTACGCTGTGAACGCTGTGGCAAGAGATTTGCCAG
 TCCAGCCAGTTGGCCAACACATCCGTACCATGACAACATCCGACCGCACAAAGTGCAGCGTGTGTAGCA
 AGGCCTTCGTGAATGTGGGGACCTGTCCAAGCATTATCATCCACACCGGAGAGAAGCCTTATTTGTG
 TGACAAATGTGGCCGTGTTTCAACCGGGTAGACAACCTGCGTTCATGTAAAGACCGTGCATCAGGGC
 AAGCGGGCATCAAGATCCTGGAGCCAGAAGAGGGTGGTGGAGTCAAGGCTGAGTCAAGTGGTACCAGTGGGGCCGC
 TCACCCTGGCCACTGAGGCTCTGGCAGCGACAGCGGCTACTCAGTAACAGTGGTACCAGTGGGGCCGC
 AGTGACAGCTGACGAGACGGAAGTACTCAAAGCTGAGATCAGCAAAGCTGTCAAGCAAGTGCAGGAAGAA
 GACCCCAACCCACATCCTCTACGCTTGTGATTCTGTGGGGACAAGTTCCTGGATGCCAATAGCCTAG
 CCCAGCATGTTCCGATCCACACAGCCAGGCACTGGTTCATGTTCCAGACGGATGCGGACTTCTACCAGCA
 GTATGGCCAGGCAGCACGTGGCCAGCCGGCAGATGCTGCAGGCTGGAGAGCTCGTCTTCCGCTCCTAGG
 GATGGGACTGAGGGCAACCCACACTGGCAGAAAGTCCACCCACAGCTCCTGATTGCCTACCACCTGCC
 AGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009541
Insert Size: 2385 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:	<ol style="list-style-type: none">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_009541.2 , NP_033567.2
RefSeq Size:	3415 bp
RefSeq ORF:	2385 bp
Locus ID:	22642
UniProt ID:	Q60821
Cytogenetics:	4 D3
Gene Summary:	Transcription factor that can function as an activator or repressor depending on its binding partners, and by targeting negative regulators of cell cycle progression. Has been shown to bind to the promoters of adenovirus major late protein and cyclin D1 and activate transcription. Required for early embryonic development during gastrulation. Plays a critical role in early lymphocyte development, where it is essential to prevent apoptosis in lymphoid precursors, allowing them to survive in response to IL7 and undergo proper lineage commitment. Represses RB1 transcription; this repression can be blocked by interaction with ZBTB49 (By similarity).[UniProtKB/Swiss-Prot Function]