

Product datasheet for **MC202348**

Zbtb46 (NM_028125) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb46 (NM_028125) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb46
Synonyms:	2610019F01Rik; 4933406L05Rik; Btbd4; BZEL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058179 sequence for NM_028125
 GACGGACGAACGGACTGGCGGGCGGACCAAGCCACCCGAGCGAGCGCGCAGCTCGGACCCTCCCGGACGC
 AGCTCTCGCCAGTGGCCGCGGATCACCGGTCCGCGGCCACGGCGCCAGCCCGCGCCCGCCCCATGGG
 GTCACAGAGTCTATAGAAGACACAGCAGCAAGACTCCCAGATGAACAACCGAAAGGAAGATATGAAATC
 ACTTCTCACTACCGGCATCTGCTTCGAGAGCTCAATGAGCAGAGGCAGCAGCGAGTCTCTGTGATGCGT
 GCGTCGTGGTGGAGGGCAAGGTCTTCAAGGCACATAAGAACGCTTGTGTTGGGAGCAGCCGCTACTTTAA
 GACGCTCTACTGCCAGGTACAGAAGACATCTGACCAGGCCACCGTCACTCACTTGGACATTGTTACAGCC
 CAGGGCTTCAAGGCCATTATTGACTTCATGTACTCCGCCATCTGGCTCTCACTAGTAGGAATGTCATCG
 AGGTGATGTCAGCTGCCAGTTCCTACAGATGACTGACATTGTGACGGCCTGCCATGATTTTCATCAAGGC
 TGCACTGGACATCAGCATAAAGTCAGATGCCTCCGATGAACTCTCAGAATTTGAGATTGGACACCCAGCC
 AGCAACAGTACAGAGGCGTTGATCTCAGCTGTGATGGCTGGAAGGAGTATCTCCCATGGTTGGCTCGGA
 GAACAAGTCTGCCAATTCTTCTGGAGACTCTGCCATTGCCAGCTGTCATGAAGGAGGAAGCAGCTATGG
 GAAGGAGGACCAGGAACCCAAAGCTGATGGCCCTGATGACGTTTTCTTACAGTCTTTGTGGCCTGGAGAT
 GTAGGCTATGGTCTCTGCGCATCAAGGAAGAAGATTTACCATCACATTATGGAGGGAGTGAGCTTC
 CATCTTCAAGGACACTGCAATACAGAATCTTTATCAGAACAGGGTTCTGGGGATGGCTGCCAGCCAC
 AGGCCGGAGGAAGAAATCGAAAAACAAAGAGACTGTCCGACACATCACCCAGCAGGTGGAGGAGGACAGC
 CAGGCTGGCTCTCCAGTACCTTCATTCCATCCACATCGGGATGGCCTTTCAGCAGCCGAGACTCAAATG
 TAGACCTGACGGTCACTGAGGCCAGCAGCTTGGACAGCCGAGGCGAGAGCAGAGCTCTATGCTCACAT
 CGATGAGGGCCTACTAGGAGGAGAAACCAGCTACTTGGGCCACCCCTCACCCAGAGAAGGAAGAAGCA
 CTACACCAGGCTACTGCAGTGGCCAATCTTCGTGCTGCACTCATGAGTAAGAAGTCTGCTGCTCACTCA
 AGGCTGACGTGCTCGGTGATGATGGCTCACTTCTGTTGAGTACCTGCCAAAGGTGCCACTCACTGTC
 TCGTAAGTGCAAGTCTGGTGTGTCAGTGTCTTCTTGGTTAAGCACCTCAGTTCAGCCCTTCAGA
 CCCTGGAGTCACTGAGGATGAGGCTGTAGCTAACCTGTCTGTGACAGGATTGCTGCGGGTTGCAGCCA
 CCTTCCAACCTCAAGGTCTTTTCAGAAAGTAGATTGGCTTTGAGTCTTCTGGGACCAGCATACTTGCTTAAC
 AGAACAAGAAGGGTGTAGTATGTGTTACTGGGCAGCGAGAGGGATCAGTGAGCATTGTTGGAATGTTT
 TGTGCTCAAATTTGAAGCATCTAAACCTAAAAATCCACCAAGCTTACAAATTCACACAATTAGTAACTTA
 AAACCACAAGTTCCTTTTGGCCAGTGGCAGGTCTGGTGCAGATAGTCCCTTTGTGTCCAAGGGACAAGC
 ACTGGCTCCCTCTACTGGTCCCTGTGCCAGCCTTTGTGCTGGGATTTGTTTTGTGTTGGGAGACATGCAG
 AGAGCCACTGACCCAGGGGTGTGGACCTTGCTTTGTTCTTGCTAGAAAGTCTGGTCCACATGTGCGTTTT
 TAAAAAGGAGTTGAATGCTACATTTAAGACCTTAGTGTGCTAGCTGAAATACAGACCACAGACTGACTA
 TGCTGCAGCTGAAGAGCAGCTGCTATTTAGCAGCTGGCTCCCCCAGTTGCCTTTTCTGTGAGACAGGA
 GGCAATAGCATCTGCAGAGCTCATAACCATAAGACAGGCTGCTCCCTTGTACAGTACATGCTGACTAT
 AGCAGCCAATTATGTGATGCTGGGAGAGTAGTATGACTACCCTGGGTACCGATCTAGCCCCAGAACTTCC
 TGTTTTGCTGGTACTCAGCATGAGTGAGAAAATGACTTGGTACTTTTCTCTCTGTGGGGGAGGAAGAGAC
 ACACCCACACTGGGGAACATGAGGGGTATGCTATTCCAGGAAGCCTAAGTACATATAATGGTGACTG
 GTCATCTCCGGACCGCTGAATTACAGGACCGTTTCCAGCCACCTTTGATGCTGGTTCTTTGGAGCATGT
 TTACAGTTTTGTTCCCATGTGACTAACATATGATTGGCTTTTGTATCGGTTTGAGGAATTATGCAGAT
 TACTTATGGCAAATAAAGACCAAAGGTGGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028125

Insert Size: 1305 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: [BC058179](#), [AAH58179](#)

RefSeq Size: 2564 bp

RefSeq ORF: 1305 bp

Locus ID: 72147

UniProt ID: [Q8BID6](#)

Cytogenetics: 2 H4

Gene Summary: Function as a transcriptional repressor for PRDM1.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) has an alternate 3' terminus, compared to variant 1, that results in a protein (isoform 2) with a shorter and distinct C-terminus, compared to isoform 1.