

Product datasheet for **MR206928**

Zbtb46 (NM_028125) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb46 (NM_028125) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb46
Synonyms:	2610019F01Rik; 4933406L05Rik; Btbd4; BZEL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>MR206928 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGAACAACCGAAAGGAAGATATGGAAATCACTTCTCACTACCGCATCTGCTTCGAGAGCTCAATGAGC
 AGAGGCAGCACGGAGTCTCTGTGATGCGTGCGTGGTGGAGGCAAGGTCTTCAAGGCACATAAGAA
 CGTCTTGCTTGGGAGCAGCCGCTACTTTAAGACGCTCTACTGCCAGGTACAGAAGACATCTGACCAGGCC
 ACCGTCACCTCACTTGACATTGTTACAGCCCAGGGCTTCAAGGCCATTATTGACTTCATGTACTCCGCC
 ATCTGGCTCTCACTAGTAGGAATGTATCGAGGTGATGTCAGCTGCCAGCTTCTACAGATGACTGACAT
 TGTGCAGGCCTGCCATGATTTCAAGGCTGCACTGGACATCAGCATAAAGTCAGATGCCTCCGATGAA
 CTCTCAGAATTTGAGATTGGACCCCAGCCAGCAACAGTACAGAGGCGTTGATCTCAGCTGTGATGGCTG
 GAAGGAGTATCTCCCATGGTTGGCTCGGAGAACAAGTCTGCCAATTCTTCTGGAGACTCTGCCATTGC
 CAGCTGTGATGAAGGAGGAAGCAGCTATGGGAAGGAGGACCAGGAACCCAAAGCTGATGGCCTGATGAC
 GTTCTTTCACAGTCTTTGTGGCCTGGAGATGTAGGCTATGGGTCTCTGCGCATCAAGGAAGAACAGATTT
 CACCATCACATTATGGAGGGAGTGAGCTTCCATCTTCCAAGGACACTGCAATACAGAATTCTTTATCAGA
 ACAGGGTTCTGGGGATGGCTGGCAGCCACAGGCCGGAGGAAGATCGGAAAAACAAAGAGACTGTCCGA
 CACATCACCCAGCAGGTGGAGGAGGACAGCCAGGCTGGCTCTCCAGTACCTTCATTCTACCCACATCGG
 GATGGCCTTTCAGCAGCCGAGACTCAAATGTAGACCTGACGGTCACTGAGGCCAGCAGCTTGACAGCCG
 AGGCGAGAGAGCAGAGCTCTATGCTCACATCGATGAGGGCCTACTAGGAGGAGAAACCAGCTACTTGGGC
 CCACCCCTCACCCAGAGAAGGAAGAAGCACTACACAGGCTACTGCAGTGGCCAATCTTCGTGCTGCAC
 TCATGAGTAAGAACAGTCTGCTGTCACTCAAGGCTGACGTGCTCGGTGATGATGGCTCACTTCTGTTTCA
 GTACCTGCCCAAAGGTGCCCACTCACTGTCTCGTAAGTGCAAGTCTGGTGTGCTACTGTGTCTTCTCTT
 GGTTAAGCACCTCAGTTCAGCCCTTCAGACCCTGGAGTCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

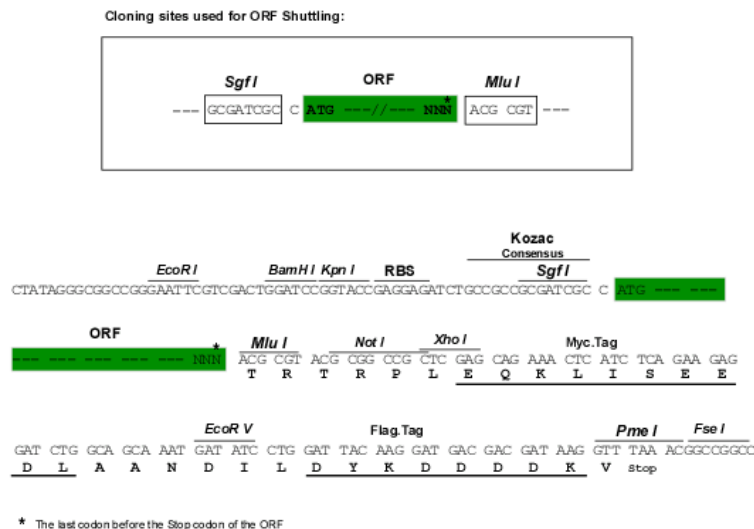
>MR206928 protein sequence
 Red=Cloning site Green=Tags(s)

MNNRKEDMEITSHYRHLRELNEQRQHGVLCDACVVVEGKVFKAHKNVLLGSSRYFKTLYCQVQKTSQDA
 TVTHLDIVTAQGFKAIDFMYSALHLTSRNVIEVMSAASFLQMTDIVQACHDFIKAALDISIKSDASDE
 LSEFEIGTPASNSTEALISAVMAGRSISPWLARRTSPANSSGDSAIASCHEGGSSYGKEDQEPKADGPDD
 VSSQSLWPGDVGYGSLRIKEEQISPSHYGGSELPSSKDTAIQNSLSEQSGDQWQPTGRRKNRKNKETVR
 HITQQVEEDSQAGSPVPSFLPTSGWPFSSRDSNVDLTVTEASSLDSRGERAELYAHIDEGLLGGETSYLG
 PPLTPKEEALHQATAVANLRAALMSKNSLLSLKADVLGDDGSLLEFYLPGAHLSRKCKFWCVTVSSF
 GLSTSVQPFPRPSH

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_028125

ORF Size: 1302 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_028125.3](#), [NP_082401.1](#)

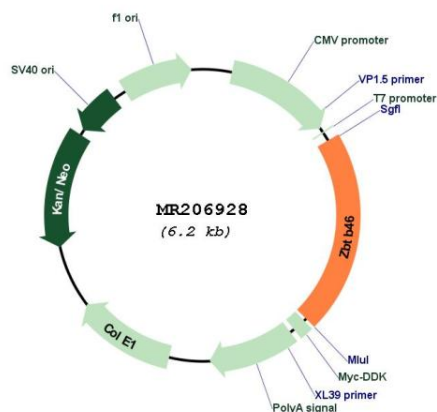
RefSeq Size: 2577 bp

RefSeq ORF: 1305 bp

Locus ID: 72147

UniProt ID: Q8BID6
 Cytogenetics: 2 H4
 MW: 47.2 kDa
 Gene Summary: Function as a transcriptional repressor for PRDM1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206928