

Product datasheet for **MG206928**

Zbtb46 (BC058179) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb46 (BC058179) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Zbtb46
Synonyms:	2610019F01Rik; 4933406L05Rik; Btbd4; BZEL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206928 representing BC058179 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACAACCGAAAGGAAGATATGGAAATCACTTCTCACTACCGGCATCTGCTTCGAGAGCTCAATGAGC
 AGAGGCAGCACGGAGTCTCTGTGATGCGTGCGTCTGGTGGAGGGCAAGGTCTTCAAGGCACATAAGAA
 CGTCTTGCTTGGGAGCAGCCGCTACTTTAAGACGCTCTACTGCCAGGTACAGAAGACATCTGACCAGGCC
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 TGTGCAGGCCTGCCATGATTTTCATCAAGGCTGCACTGGACATCAGCATAAAGTCAGATGCCTCCGATGAA
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 GTACCTGCCCAAAGGTGCCCACTCACTGTCTCGTAAGTGAAGTCTGGTGTGCTCACTGTGTCTTCTTT
 GGTTTAAGCACCTCAGTTCAGCCCTTCAGACCCTGGAGTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206928 representing BC058179
 Red=Cloning site Green=Tags(s)

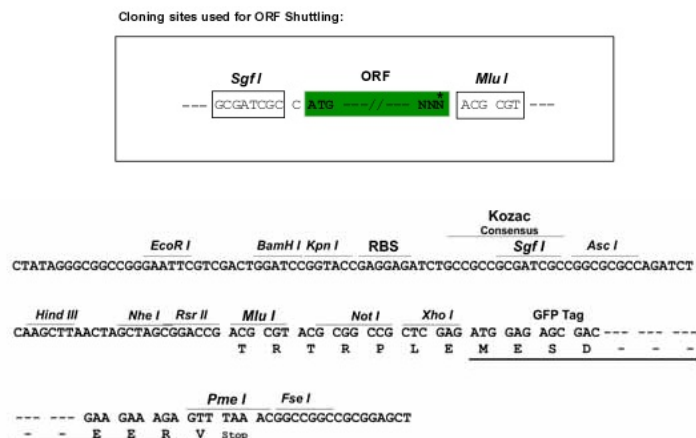
MNNRKEDMEITSHYRHLRELNEQRQHGLVCDACVVVEGKVFKAHKNVLLGSSRYFKTLYCQVQKTSQDA
 TVTHLDIVTAQGFKAIIDFMYSALHLTSRNVIEVMSAASFLQMTDIVQACHDFIKAALDISIKSDASDE
 LSEFEIGTPASNSTEALISAVMAGRSISPWLARRTSPANSSGDSAISCHEGGSSYGKEDQEPKADGPDD
 VSSQSLWPGDVGYGSLRIKEEQISPSHYGGSELPSSKDTAIQNSLSEQSGDGDWQPTGRRKNRKNKETVR
 HITQQVEEDSQAGSPVPSFLPTSGWPFSSRDSNVDLTVTEASSLDSRGERAELYAHIDEGLLGGETSYLG
 PPLTPEKEEALHQATAVANLRAALMSKNSLLSLKADVLGDDGSLFEYLPKGAHLSRKCKFWCVTVSSF
 GLSTSVQPFPRPSH

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: BC058179

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: [BC058179](#), [AAH58179](#)

RefSeq Size: 2564 bp

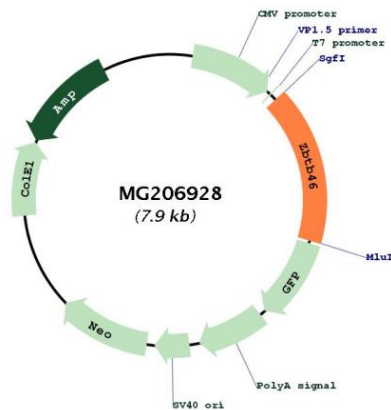
RefSeq ORF: 1304 bp

Locus ID: 72147

Cytogenetics: 2 H4

Gene Summary: Function as a transcriptional repressor for PRDM1.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206928