

## Product datasheet for **RG216143**

### Miz1 (ZBTB17) (NM\_003443) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Miz1 (ZBTB17) (NM_003443) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Miz1
Synonyms:	MIZ-1; pHZ-67; ZNF60; ZNF151
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG216143 representing NM\_003443  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTTCCCCAGCACAGCCAGCATGTCTTGGAAACAGCTGAACCAGCAGCGGCAGCTGGGGCTTCTCT  
 GTGACTGCACCTTTGTGGTGGACGGTGTCACTTTAAGGCTCATAAAGCAGTGTGGCGGCTGCAGCGA  
 GTACTTCAAGATGCTCTTCGTGGACCAGAAGGACGTGGTGCACCTGGACATCAGTAAACGGCGCAGGCCTG  
 GGGCAGATGCTGGAGTTTATGTACACGGCCAAGCTGAGCCTGAGCCCTGAGAACGTGGATGATGTCTGG  
 CCGTGGCCACTTTCTCCAAATGCAGGACATCATCAGGCCTGCCATGCCCTCAAGTCACTTGTGAGCC  
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 CCACATCGCTGACGGGCCCTCAAGTGCCGAGAGTGTGGGAAGCAGTTCACCACCTCAGGGAACCTGAAG  
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 CCAGACAGACCGGACTTCTATCAGCAGTATGGGCCAGGTGGCAGTGGCCTGCCGGCAGGTGCTGCAG  
 GCTGGGGAGCTGGTCTTCCGCCCTCGCGACGGGCTGAGGGCCAGCCCGACTGGCAGAGACCTCCCTCA  
 CAGCTCCTGAATGTCCCCGCTGCCGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

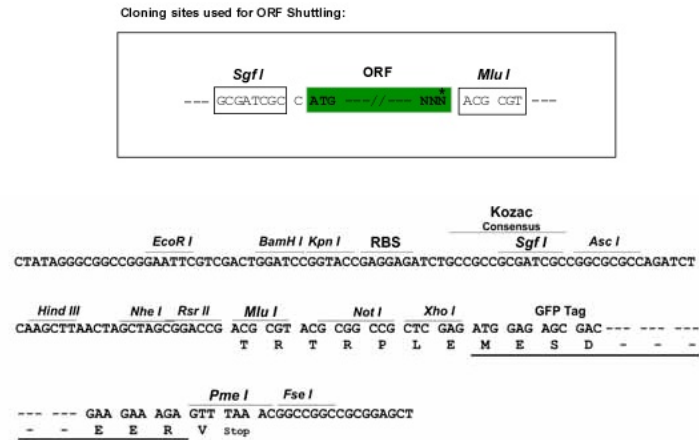
**Protein Sequence:** >RG216143 representing NM\_003443  
 Red=Cloning site Green=Tags(s)

```

MDFPQHSQHVLEQLNQQRQLGLLCDCTFVVDGVHFKAHKAVLAACSEYFKMLFVDQKDVVHLDISNAAGL
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AHEKTHSPLKPYGCEECGKSYRLISLLNLHKKRHSGEARYRCEDCGKLFSTSGNLKRHQLVHSGEKPYQC
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KAVKQVQEEDPNTHILYACDSCGDKFLDANSLAQHVRIHTAQALVMFQTDADFYQQYGGGTWPAGQVLQ
AGELVFRPRDGAEGQPALAETSPTAPECPPPAE
  
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_003443

**ORF Size:** 2409 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\\_003443.1](#), [NP\\_003434.1](#)

**RefSeq Size:** 2643 bp

**RefSeq ORF:** 2412 bp

**Locus ID:** 7709

**UniProt ID:** [Q13105](#)

**Cytogenetics:** 1p36.13

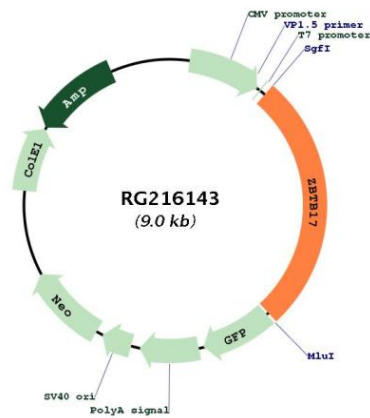
**Domains:** BTB, zf-C2H2

**Protein Families:** Transcription Factors

**Protein Pathways:** Cell cycle

**Gene Summary:** This gene encodes a zinc finger protein involved in the regulation of c-myc. The symbol MIZ1 has also been associated with PIAS2 which is a different gene located on chromosome 18. [provided by RefSeq, Jul 2008]

### Product images:



Circular map for RG216143