

Product datasheet for **RG234774**

Miz1 (ZBTB17) (NM_001242884) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Miz1 (ZBTB17) (NM_001242884) 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:

>RG234774 representing NM_001242884
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGTGCTGGCCGTGGCCACTTTCCTCCAAATGCAGGACATCATCACGGCCTGCCATGCCCTCAAGTC
 ACTTGCTGAGCCGGCTACCAGCCCTGGGGAAAATGCGGAGGCCTTGCCACAGAAGGTCTGCCCTGTTCC
 ATCTCCAGGAGGGACAAGAGAGCCAAAGAGGAGAAGGTGGCCACCAGCACGCTGAGCAGGCTGGAGCAG
 GCAGGACGCAGCACACCCATAGGCCCCAGCAGGGACCTCAAGGAGGAGCGCGGGTTCAGGCCAGAGTG
 CGGCCAGCGGTGCAGAGCAGACAGAGAAAGCCGATGCGCCCGGGAGCCGCCCTGTGGAGCTCAAGCC
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 GAGGTGGAGCCCGCCGAAAGGGGAAGAGGAGCAAAGGAGCAAGAGGAGCAAGAGGAGGGGCGCAG
 GGCCAGCTGAGGTCAAGGAGGAGGGTCCAGCTGGAGAACGGAGAGGCCCCGAGGAGAACCAGAAATGA
 GGAGTCAGCGGGCACAGACTCGGGCAGGAGCTCGGCTCCGAGGCCCGGGCCTGCGCTCAGGCACCTAC
 GCGACCCGCACGGAGTCCAAGGCCCTACGGCTCCGTCATCCACAAGTGCGAGGACTGTGGGAAGGAGTTCA
 CGCACACGGGAACTTCAAGCGGCACATCCGCATCCACACGGGGGAGAAGCCCTTCTCGTGCCGGGAGTG
 CAGCAAGGCCTTTTCCGACCCGGCCGCGTGAAGGCCATGAGAAGACGCACAGCCCTCTGAAGCCCTAC
 GGCTGCGAGGAGTGCGGGAAGAGCTACCGCCTCATCAGCTGTGAACCTGCACAAGAAGCGGCACTCGG
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 GCTGGTGCACAGCGGGGAGAAGCCCTACCAGTGCAGTACTGCGGCCGCTCCTTCTCCGACCCCACTTCC
 AAGATGCGCCACCTGGAGACCCACGACAGGACAAGGAGCACAAGTGCCACACTGCGACAAGAAGTTCA
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 GCGCCAGCACACCCGGGAGAAGCCCTACGTCTGCGAGCGCTGCGGCAAGAGATTCGTCCAGTCCAGCCAG
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 TGAACGTGGGGACCTGTCCAAGCACATCATCATTCACTGGAGAGAAGCCTTACCTGTGTGATAAGTG
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 CTACCGAGGCACTGGCAGCGACAGCCGTCAGCTCAGCTCAGAGTGGTGCCGGTGGGAGCTGCAGTGACAGC
 CGATGAGACGGAAGTCTGAAGGCCGAGATCAGCAAAGCTGTGAAGCAAGTGCAGGAAGAAGACCCCAAC
 ACTCACATCCTCTACGCCTGTGACTCCTGTGGGACAAGTTTCTGGATGCCAACAGCCTGGCTCAGCATG
 TGCGAATCCACACAGCCAGGCACTGGTCATGTTCCAGACAGACGCGGACTTCTATCAGCAGTATGGGCC
 AGGTGGCACGTGGCCTGCCGGCAGGTGCTGCAGGCTGGGAGCTGGTCTTCCGCCCTCGCGACGGGGCT
 GAGGGCCAGCCGCACTGGCAGAGACCTCCCTACAGCTCCTGAATGTCCCCCGCTGCCGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234774 representing NM_001242884
Red=Cloning site Green=Tags(s)

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MMCWPWPLSSKCR TSSRPAMPSSHLLSRLPALGEMRRPWPQKVCVPVSPGGDKRAKEEKVATSTLSRLEQ
AGRSTPIGPSRDLKEERGGQAQSAASGAEQTEKADAPREPPPVELKPDPTSGMAAAEAEALSESSEQEM
EVEPARKGEEEQKEQEEQEEEGAGPAEVKKEEGSQLENGEAPEENENEEESAGTDSGQELGSEARGLRSGTY
GDRTESKAYGVSVIHKCEDCGKEFTHTGNFKRHIRIHTGEKPFSCRECSKAFSDPAACKAHEKTHSPLKPY
GCEECEGKSYRLISLLNLHKKRHSGEARYRCEDCGKLF TTSGNLKRHQLVHSGEKPYQCDYCGRSFSDPTS
KMRHLETHD TDKEHKCPHCDKFNQVGNLKAHLKIH IADGPLKCRECGKQFTTSGNLKRHLRIHSGEKPY
VCIHCQRQFADPGALQRHVRIHTGEKPCQVMCGKAF TQASSLIAHVRQHTGEKPYVCERCGRFVQSSQ
LANHIRHHDNIRPHKCSVCSKAFVNVGDL SKHII IHTGEKPYLCDKGRGFNRVDNLRSHVKT VHQKAG
IKILEPEEGSEVSVVTVDDMVTLATEALAA TAVTQLTVVPVGA AVTADETEVLKAEISKAVKQVQEEDPN
THILYACDSCGDKFLDANSLAQHVRIHTAQAL VMFQTDADFYQQYGP GGTWPAGQVLQAGELVFRPRDGA
EGQPALAETSPTAPECPPPAE
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242884

ORF Size: 2163 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_001242884.1](#), [NP_001229813.1](#)

RefSeq Size: 2582 bp

RefSeq ORF: 2166 bp

Locus ID: 7709

UniProt ID: [Q13105](#)

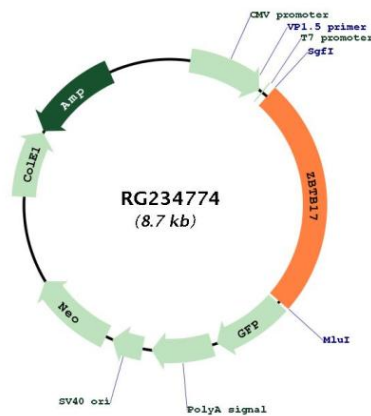
Cytogenetics: 1p36.13

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 RG234774