

Product datasheet for **SC316264**

Miz1 (ZBTB17) (NM_003443) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Miz1 (ZBTB17) (NM_003443) Human Untagged Clone
Tag:	Tag Free
Symbol:	Miz1
Synonyms:	MIZ-1; pHZ-67; ZNF60; ZNF151
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC316264 sequence for NM_003443 edited (data generated by NextGen Sequencing)

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ATGGACTTTCCCCAGCACAGCCAGCATGTCTTGGAACAGCTGAACCAGCAGCGGCAGCTG
GGGCTTCTCTGTGACTGCACCTTTGTGGTGGACGGTGTCACTTTAAGGCTCATAAAGCA
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GGGGCTGAGGGCCAGCCGCACTGGCAGAGACCTCCCCTACAGCTCCTGAATGTCCCCCG
CCTGCCGAGTGA

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Clone variation with respect to NM_003443.2

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003443 unedited CCGCCGGCGATTCCGGCACGAGGGAGCCGGACGAGGGGAGCCAAGCTGGAGTTTACACAGG CAAACTGTGAGAAAAGAGTAGCCTGGGCTGTCTGGAAATCTGAGCCATGGACTTTCCCA GCACAGCCAGCATGTCTTGAACAGCTGAACCAGCAGCGGCAGCTGGGGCTTCTCTGTGA CTGCACCTTTGTGGTGGACGGTGTTCACCTTAAGGCTCATAAAGCAGTGTGGCGGCTG CAGCGAGTACTTCAAGATGCTCTTCGTGGACCAGAAGGACGTGGTGCACCTGGACATCAG TAACGCGGCAGGCCTGGGGCAGGTGCTGGAGTTTATGTACACGGCCAAGCTGAGCCTGAG CCCTGAGAACGTGGATGATGTGCTGGCCGTGGCCACTTTCTCCAAATGCAGGACATCAT CACGGCCTGCCATGCCCTCAAGTCACTTGTGAGCCGGCTACCAGCCCTGGGGGAAATGC GGAGGCCTTGGCCACAGAAGGAGGGGACAAGAGAGCCAAAGAGGAGAAGGTGGCCACCAG CACGCTGAGCAGGCTGGAGCAGGCAGGACGACACACCCATAGGCCCCAGCAGGGACCT CAAGGAGGAGCGCGGGTCAAGCCAGAGTGCAGGACGCGGTGCAGAGCAGACAGAGAA AGCCGATGNCGCCCGGAGCCGCCCTGTGGAGCTCAGCCAGACCCACGAGTGGCATG GCTGCTGCAGAGCTGAGGCCGCTTGTCCGAGAGCCTCGAGCAGAAATGGNAGTGGAGCC CGCCCGAAGGGNAGAGGAGCAAGGAGCCAGAGAGCAGAGGAGGAGGGCGCAGGCCANC TGAGTAAGNNAGGAGGGTCCANCTGAAAANCGGAAAGCN</p>
3' Read Nucleotide Sequence:	<p>>Forward primer walk for NM_003443 unedited TGGACGAATAGCCTTACCTGTGTGATAAGTGTGGGCGCTGGCTTCAACCGGTTAGACAAC CTGCGCTCCCACGTGAAGACCGTGCACCAGGGCAAGGCAGGCATCAAGATCCTGGAGCCC GAGGAGGGCAGTGAAGTCAAGCGTGGTCACTGTGGATGACATGGTCAAGCTGGCTACCGAG GCACTGGCAGCGACAGCCGTCAGTCACTCAGTGTGGTGGTGGTGGGAGCTGCAGTGACA GCCGATGAGACGGAAGTCTGAAGGCCGAGATCAGCAAAGCTGTGAAGCAAGTGCAGGAA GAAGACCCCAACTCACATCCTCTACGCCTGTGACTCCTGTGGGGACAAGTTTCTGGAT GCCAACAGCCTGGCTCAGCATGTGCAATCCACACAGCCAGGCCTGGTCAATGTTCCAG ACAGACGCGGACTTCTATCAGCAGTATGGGCCAGGTGGCAGTGGCCTGCCGGGCAGGTG CTGCAGGCTGGGAGCTGGTCTTCCGCCCTCGCGACGGGGCTGAGGGCCAGCCCGCACTG GCAGAGACCTCCCTACAGCTCCTGAATGTCCCCCGCCTGCCGAGTGAAGTGGCGGCCCT TCTGACTGTTTATTTAAGGATGGATGGCACCCCTGGAACCGGAAGGGTGGCCTGTTCCCT AGAGAGAATAAATTTGGATTATTTTCTATATAAAAAAAGAAACAAAAAATGTCAAAAAAT AAAAAAAGAAAAAATAACAAGAAGAACAAATAGAAACACAAACACTAATCAATAAA TCATCAAGAGAAAAGACCCCTCTCTTTTTTTTGTGCGCCGGGTCAATGTTTTTTTCCA AAAAATATCCCGGGGGGACTCCTGGGGACCCCCCAGGGCCCTCCTCCGGGGCCCGG GAATGTGCCCTCTACTCGCGCAAAACCTTTGCTAAAAAATAAATGTCAAATTTTTGG TCAGACAGAGGGTGTCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003443
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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]