

Product datasheet for **RC239427**

Miz1 (ZBTB17) (NM_001287604) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Miz1 (ZBTB17) (NM_001287604) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZBTB17
Synonyms:	MIZ-1; pHZ-67; ZNF60; ZNF151
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC239427 representing NM_001287604
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTACACGGCCAAGCTGAGCCTGAGCCCTGAGAACCTGGATGATGTGCTGGCCGTGGCCACTTTCCTCC
 AAATGCAGGACATCATCACGGCCTGCCATGCCCTCAAGTCACTTCTGAGCCGGCTACCAGCCCTGGGGG
 AAATGCGGAGGCCTTGGCCACAGAAGGAGGGGACAAGAGAGCCAAAGAGGAGAAGGTGGCCACCAGCACG
 CTGAGCAGGCTGGAGCAGGCAGGACGCAGCACACCCATAGGCCCCAGCAGGGACCTCAAGGAGGAGCGCG
 GCGGTACGGCCAGAGTGCAGCCAGCGTGCAGAGCAGACAGAGAAAGCCGATGCGCCCGGGAGCCGCC
 GCCTGTGGAGCTCAAGCCAGACCCACGAGTGGCATGGCTGCTGCAGAAGCTGAGGCCGCTTTGTCCGAG
 AGCTCGGAGCAAGAAATGGAGGTGGAGCCCGCCGAAAGGGGAAGAGGAGCAAAAGGAGCAAGAGGAGC
 AAGAGGAGGAGGGCGCAGGGCCAGCTGAGGTCAAGGAGGAGGGTCCCAGCTGGAGAACGGAGAGGCCCC
 CGAGGAGAACGAGAATGAGGAGTCAAGGGCACAGACTCGGGGCAGGAGCTCGGCTCCGAGGCCCGGGGC
 CTGCGCTCAGGCACCTACGGCGACCGCACGGAGTCCAAGGCCTACGGCTCCGTATCCACAAGTGGCAGG
 ACTGTGGGAAGGAGTTCACGCACACGGGAACTTCAAGCGGCACATCCGCATCCACACGGGGGAGAGCC
 TTCTCGTGCCGGGAGTGACGAAGGCCTTTCCGACCCGGCCGCGTGCAAGGCCATGAGAAGACGCAC
 AGCCCTCTGAAGCCCTACGGCTGCGAGGAGTGCAGGGAAGAGTACCGCCTCATCAGCCTGCTGAACCTGC
 ACAAGAAGCGGCACTCGGGCAGGGCGCGTACCCTGCGAGGACTGCGGCAAGCTTTCACCACCTCGGG
 CAACCTCAAGCGCCACAGCTGGTGCACAGCGGGCAGAGCCCTACCAGTGCAGTACTGCGGCCGCTCC
 TTCTCCGACCCCACTTCCAAGATGCGCCACCTGGAGACCCACGACACGGACAAGGAGCACAAGTGGCCAC
 AACTGCCACAAGAAGTTCAACCAGTATGGGAACCTGAAGGCCCACTGAAGATCCACATCGTGCAGCCG
 CCTCAAGTGCCGAGAGTGTGGGAAGCAGTTACCCACCTCAGGGAACCTGAAGCGGCACCTTCGGATCCAC
 AGCGGGGAGAAGCCCTACGTGTGCATCCACTGCCAGCGACAGTTTGCAGACCCCGCGCTCTGCAGCGGC
 ACGTCCGCATTACACAGGTGAGAAGCCATGCCAGTGTGTGATGTGCGGTAAGGCCTTACCACAGGCCAG
 CTCCTCATCGCCACGTGCGCCAGCACACCGGGGAGAAGCCCTACGTCTGCGAGCGCTGCGGCAAGAGA
 TTCGTCCAGTCCAGCCAGTTGGCCAATCATATTCGCCACCACGACAACATCCGCCACACAAGTGCAGCG
 TGTGCAGCAAGGCCTTCGTGAACGTGGGGACCTGTCCAAGCACATCATCATTCACTGGAGAGAAGCC
 TTACCTGTGTGATAAGTGTGGGCGTGGCTTCAACCGGGTAGACAACCTGCGCTCCCAGTGAAGACCGTG
 CACCAGGGCAAGGCAGGCATCAAGATCCTGGAGCCCGAGGAGGGCAGTGAAGTCAAGCGTGGTCACTGTGG
 ATGACATGGTACGCTGGCTACCGAGGCACTGGCAGCGACAGCCGCTCACTCAGCTCACAGTGGTCCCGGT
 GGGAGCTGCAGTACAGCCGATGAGACGGAACTCTGAAGGCCGAGATCAGCAAAGCTGTGAAGCAAGTG
 CAGGAAGAAGACCCCAACTCACATCCTCTACGCCTGTGACTCCTGTGGGGACAAGTTTCTGGATGCCA
 ACAGCCTGGCTCAGCATGTGCGAATCCACACAGCCAGGCACTGGTCATGTTCCAGACAGACGCGGACTT
 CTATCAGCAGTATGGGCCAGGTGGCAGTGGCCTGCCGGGCAGGTGCTGCAGGCTGGGGAGCTGGTCTTC
 CGCCCTCGCGACGGGGCTGAGGGCCAGCCCGACTGGCAGAGACCTCCCTACAGCTCCTGAATGTCCCC
 CGCTGCCGAG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239427 representing NM_001287604
 Red=Cloning site Green=Tags(s)

MYTAKLSLSPENVDDVLAVATFLQMQDIITACHALKSLAEPATSPGGNAEALATEGGDKRAKEEKVATST
 LSRLEQAGRSTPIGPSRDLEKERRGQAQSAASGAEQTEKADAPREPPVLPDPTSGMAAAEAAALSE
 SSEQEMEVEPARKGEEEEQKEQEEQEEGAGPAEVKEEGSLENGEAPEENENEEESAGTDSGQELGSEARG
 LRSPTYGDRTESKAYGSVIHKCEDCGKEFTHTGNFKRHRIHTGEKPFSCRECSKAFSDPAACKAHEKTH
 SPLKPYGCEECGKSYRLISLLNLHKKRHSGEARVRCEDCGKLF TTSGNLKRHQLVHSGEKPYQCDYCGRS
 FSDPTSKMRHLETHD TDKEHKCPHCDKFNQVGNLKAHLKIHIADGPLKCRECGKQFTTSGNLKRHLRIH
 SGEKPYVCIHCQRQFADPGALQRHVRIHTGEKPCQVMCGKAFQASSLIAHVRQHTGEKPYVCERCGR
 FVQSSQLANHIRHHDNIRPHKCSVCSKAFVNVGDL SKHIIHTGEKPYL CDKCGRGNRVDNLRSHVKTV
 HQGKAGIKILEPEEGSEVSVVTVDMMVTLATEALAATAVTQLTVVPVGAAVTADETVLKAEISKAVKQV
 QEEDPNTHILYACDSCGDKFLDANSLAQHVRIHTA QALVMFQTDADFYQYGGTWPAGQVLQAGELVF
 RPRDGAEGQPALAETSPTAPECPPPAE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

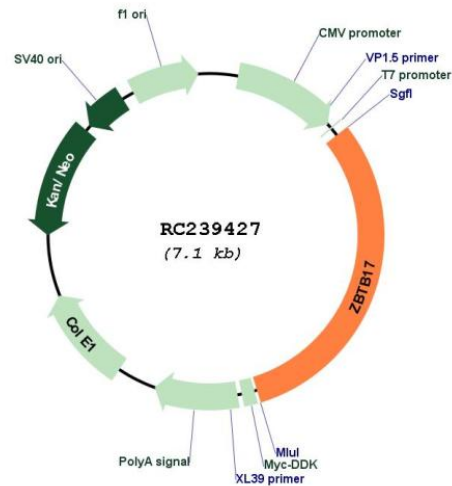
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001287604

ORF Size: 2181 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_001287604.1](#), [NP_001274533.1](#)

RefSeq Size: 2763 bp

RefSeq ORF: 2184 bp

Locus ID: 7709

Cytogenetics: 1p36.13

Protein Families: Transcription Factors

Protein Pathways: Cell cycle

MW: 79.8 kDa

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]