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Product datasheet for RC234774

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:	Myc-DDK
Symbol:	Miz1
Synonyms:	MIZ-1; pHZ-67; ZNF60; ZNF151
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC234774 representing NM_001242884
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGTGCTGGCCGTGGCCACTTTCCTCCAAATGCAGGACATCATCACGGCCTGCCATGCCCTCAAGTC
ACTTGCTGAGCCGGCTACCAGCCCTGGGGGAAATGCGGAGGCCTTGGCCACAGAAGGTCTGCCCTGTTCC
ATCTCCAGGAGGGGACAAGAGAGCCAAAGAGGAGAAGGTGGCCACCAGCACGCTGAGCAGGCTGGAGCAG
GCAGGACGCAGCACACCCATAGGCCCCAGCAGGGACCTCAAGGAGGAGCGCGGCGGTCAGGCCCAGAGTG
CGGCCAGCGGTGCAGAGCAGACAGAGAAAGCCGATGCGCCCCGGGAGCCGCCGCCTGTGGAGCTCAAGCC
AGACCCCACGAGTGGCATGGCTGCTGCAGAAGCTGAGGCCGCTTTGTCCGAGAGCTCGGAGCAAGAAATG
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CGCACACGGGGAACTTCAAGCGGCACATCCGCATCCACACGGGGGAGAAGCCCTTCTCGTGCCGGGAGTG
CAGCAAGGCCTTTTCCGACCCGGCCGCGTGCAAGGCCCATGAGAAGACGCACAGCCCTCTGAAGCCCTAC
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ACCAGGTAGGGAACCTGAAGGCCCACCTGAAGATCCACATCGCTGACGGGCCCCTCAAGTGCCGAGAGTG
TGGGAAGCAGTTCACCACCTCAGGGAACCTGAAGCGGCACCTTCGGATCCACAGCGGGGAGAAGCCCTAC
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ACTCACATCCTCTACGCCTGTGACTCCTGTGGGGACAAGTTTCTGGATGCCAACAGCCTGGCTCAGCATG
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AGGTGGCACGTGGCCTGCCGGGCAGGTGCTGCAGGCTGGGGAGCTGGTCTTCCGCCCTCGCGACGGGGCT
GAGGGCCAGCCCGCACTGGCAGAGACCTCCCCTACAGCTCCTGAATGTCCCCCGCCTGCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234774 representing NM_001242884
Red=Cloning site Green=Tags(s)

MMCWPWPLSSKCRTSSRPAMPSSHLLSRLPALGEMRRPWPQKVCPVPSPGGDKRAKEEKVATSTLSRLEQ
AGRSTPIGPSRDLKEERGGQAQSAASGAEQTEKADAPREPPPVELKPDPTSGMAAAEAEAALSESSEQEM
EVEPARKGEEEQKEQEEQEEEGAGPAEVKEEGSQLENGEAPEENENEESAGTDSGQELGSEARGLRSGTY
GDRTESKAYGSVIHKCEDCGKEFTHTGNFKRHIRIHTGEKPFSCRECSKAFSDPAACKAHEKTHSPLKPY
GCEECGKSYRLISLLNLHKKRHSGEARYRCEDCGKLFTTSGNLKRHQLVHSGEKPYQCDYCGRSFSDPTS
KMRHLETHDTDKEHKCPHCDKKFNQVGNLKAHLKIHIADGPLKCRECGKQFTTSGNLKRHLRIHSGEKPY
VCIHCQRQFADPGALQRHVRIHTGEKPCQCVMCGKAFTQASSLIAHVRQHTGEKPYVCERCGKRFVQSSQ
LANHIRHHDNIRPHKCSVCSKAFVNVGDLSKHIIIHTGEKPYLCDKCGRGFNRVDNLRSHVKTVHQGKAG
IKILEPEEGSEVSVVTVDDMVTLATEALAATAVTQLTVVPVGAAVTADETEVLKAEISKAVKQVQEEDPN
THILYACDSCGDKFLDANSLAQHVRIHTAQALVMFQTDADFYQQYGPGGTWPAGQVLQAGELVFRPRDGA
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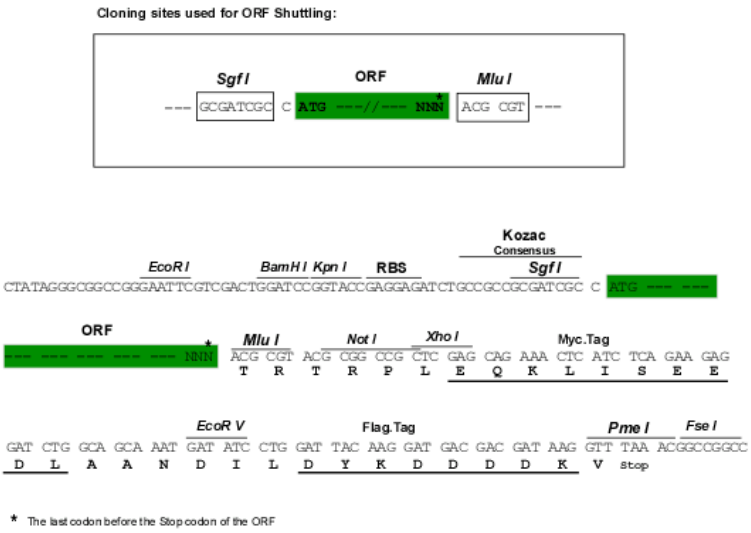
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001242884

ORF Size: 2163 bp

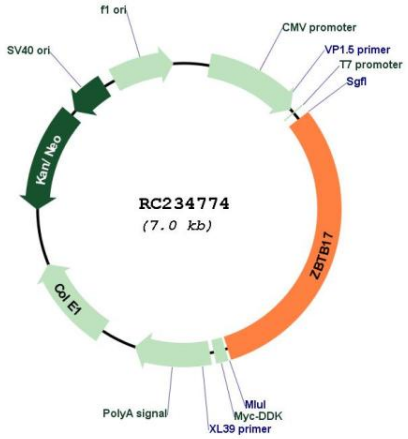
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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
MW:	79.7 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]

Product images:



Circular map for RC234774