

Product datasheet for **RC233667**

Myeloid zinc finger 1 (MZF1) (NM_001267033) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myeloid zinc finger 1 (MZF1) (NM_001267033) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Myeloid zinc finger 1
Synonyms:	MZF-1; MZF1B; ZFP98; ZNF42; ZSCAN6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233667 representing NM_001267033 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCTGCGGTGCTGGGCTCCCCAGACCGAGCACCCAGAGAAGATGAGGGCCTGTCATGGTGAAGC
TAGAGGACTCTGAGGAGGAGGGTGAGGCTGCCTTATGGGACCCAGGCCCTGAAGCTGCACGCCTGCGTTT
CCGGTGCCTCCGCTATGAGGAGGCCACAGGGCCCCAAGAGGCCCTGGCCAGCTCCGAGAGCTGTGTGCG
CAGTGGCTGCGTCCAGAGGTACGCTCCAAGGAGCAGATGCTGGAGCTGTTGGTGTGGAGCAGTTCTCG
GCGCACTGCCCTGAGATCCAGGCCGTGTGCAGGGGCAGCGCCAGGCAGCCCGAGGAGGCTGCTGC
CCTAGTAGATGGGCTGCGCCGGGAGCCGGCGGACCCCGAGATGGGTACAGTCCAGGTGCAGGGCCAG
GAGGTCTATCAGAGAAGATGGAGCCCTCCAGTTTCCAGCCCCTACCTGAAACTGAGCCTCCAACCTCCAG
AGCCTGGGCCCAAGACACCTCCTAGGACTATGCAGGAATCACCCTGGGCTGCAGGTGAAAGAGGAGTC
AGAGGTTACAGAGGACTCAGATTTCTGGAGTCTGGGCTCTAGCTGCCACCCAGGAGTCTGTACCCACC
CTCCTGCCTGAGGAGGCCAGAGATGTGGGACCGTGTGGACCAGATCTTCCCCACAGCAAGACTGGGC
CTGAGGGTCCCTCATGGAGGGAGCACCCAGGGCCCTGTGGCATGAGGAAGCTGGGGCATCTTCTCCCC
AGGGCCCGGAGCCGGGGCCGCCAGCACTGGGGCGGGGTGGTATAGGGCGGCCGTTGCGATGTATGTG
GCAAGGTGTTACGCCAACGCAGCAACTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233667 representing NM_001267033
Red=Cloning site Green=Tags(s)

MRPAVLGSPDRAPPEDEGPMVKLEDESEEEGEALWDPGPEAARLRFRCFRYEEATGPQEALQRLRELCR
 QWL RPEVRSKEQMLELLVLEQFLGALPPEIQARVQQRPGSP EEAALVDGLRREP GGPRRWTVVQVQGG
 EVLSEKMEPSSFQPLPETEPPTPEPGPKTPRMTQESPLGLQVKEESEVTEDSDFLESGLAATQESVPT
 LLP EEAQR CGTVLDQIFPHSKTGPEG P SWREHPRALWHEEAGGIFSPGAGAGAAPALGAGWLGAAVAMYV
 ARCSANAATC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001267033

ORF Size: 870 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_001267033.2](#)

RefSeq Size: 2694 bp

RefSeq ORF: 873 bp

Locus ID: 7593

UniProt ID: [P28698](#)

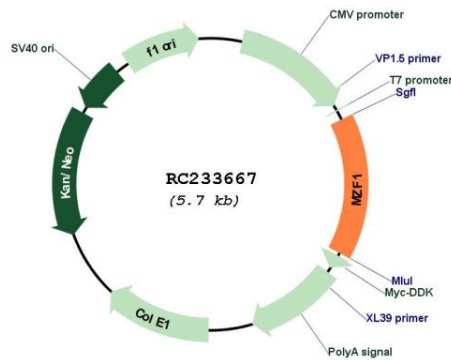
Cytogenetics: 19q13.43

Protein Families: Transcription Factors

MW: 31.5 kDa

Gene Summary: Binds to target promoter DNA and functions as transcription regulator. Regulates transcription from the PADI1 and CDH2 promoter. May be one regulator of transcriptional events during hemopoietic development.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC233667