

Product datasheet for **RC202865**

Myeloid zinc finger 1 (MZF1) (NM_198055) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myeloid zinc finger 1 (MZF1) (NM_198055) 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)



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ORF Nucleotide
Sequence:

>RC202865 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGCCTCGGTGCTGGGCTCCCCAGACCGAGCACCCCAAGAAGATGAGGGGCCTGTTCATGGTGAAGC
 TAGAGGACTCTGAGGAGGAGGGTGAGGCTGCCTTATGGGACCCAGGCCCTGAAGCTGCACGCCTGCGTTT
 CCGGTGCTTCCGCTATGAGGAGGCCACAGGGCCCCAAGAGGCCCTGGCCAGCTCCGAGAGCTGTGTCGC
 CAGTGGCTGCGTCCAGAGGTACGCTCCAAGGAGCAGATGCTGGAGCTGTTGGTGTGGAGCAGTTCTGG
 GCGCACTGCCCCCTGAGATCCAGGCCCGTGTGCAGGGGCAGCGCCAGGCAGCCCCGAGGAGGCTGTGC
 CCTAGTAGATGGGCTGCGCCGGGAGCCGGGCGGACCCCGAGATGGGTACAGTCCAGGTGCAGGGCCAG
 GAGGTCCTATCAGAGAAGATGGAGCCCTCCAGTTTCCAGCCCCTACCTGAAACTGAGCCTCCAACCTCCAG
 AGCCTGGGCCAAGACACCTCCTAGGACTATGCAGGAATCACCACTGGGCTGCAGGTGAAAGAGGAGTC
 AGAGGTTACAGAGGACTCAGATTTCTGGAGTCTGGGCTCTAGCTGCCACCCAGGAGTCTGTACCCACC
 CTCTGCCTGAGGAGGCCAGAGATGTGGGACCGTGTGGACCAGATCTTTCCCCACAGCAAGACTGGGC
 CTGAGGGTCCCTCATGGAGGGAGCACCCAGGGCCCTGTGGCATGAGGAAGCTGGGGCATCTTCTCCCC
 AGGGTTCGCGCTGCAGCTAGGCAGCATCTCCGAGGTCCAGGTAGTGTAAAGCCCTCACCTCCACGTCCCC
 TGGGACCTCGGCATGGCTGGCCTTTCTGGCCAGATCCAATCACCCCTCCGCGAAGGTGGCTTTGCGCATG
 CGTTCTGCTCCCCAGCGATCTGAGGAGTGAACAGGACCCACGGACGAGGATCCCTGCCGGGTGTGGG
 CCCTGCTGTATCACCCCGCTGGCGCTCCCCAGGGCCGGAGCCGGGGCCGCCAGCACTGGGGG
 GGGTGGTTAGGGGCGCCGTTGCGATGTATGTGGCAAGGTGTTACGCCAACGCAGCAACCTGCTGAGGC
 ACCAGAAGATCCACACGGGTGAGCGACCATTCGTGTGCAGCGAGTGCAGGGCCAGCTTCAGCCGAGTCC
 GCACCTGCTGCGCCACCACTTACGCACACCCAGGAGCGGCCGTTTCGTGTGCGGGGACTGTGGCCAGGGC
 TTCGTGCGCAGCGCGCCTGGAAGAGCATCGGAGAGTGCACACGGGCGAACAGCCTTTCGTTGCGCTG
 AGTGGCCAGAGCTTCCGGCAGCGCTCCAATCTGCTGCAGCACAGCGCATCCACGGCGATCCCCGGG
 CCCTGGCGCTAAGCCCCGGCCCTCCTGGTGCGCCGAGCCTCCCGCCCTTTCGTCGAGCGAGTGC
 CGGAGAGCTTCGCGGGCGCGCCTGCTGCTGGAGCACAGGCGGTACACAGGGCGACAAGTCTTTG
 GCTGCGTCGAGTGCAGCGAGCGCTTCGGCCGCGCTCAGTGTGCTGCAGCACCGCGCGTGCACAGTGG
 CGAGCGCCCTTCGCTGTGCCGAGTGCAGGACAGCTTCCGGCAGCGCTCCAACCTGACGAGCACCGG
 CGCATCCACACCGGGAGCGCCCTTCGCTGCGCCGAGTGTGGCAAGGCCTTCCGCCAGCGGCCTACGC
 TCACGCAGCATCTCCGCTACACACGGGCGAGAAACCCTTTCCTGCCCCGAGTGTGGCCAGCGCTTCAG
 CCAGCGCCTCAAGCTCACGCGTCATCAGAGGACACACACCGGCGAAAAGCCCTACCACTGCGGTGAGTGC
 GGCTGGGCTTACGCGAGGTCTCGCGGCTCACCGAGCACAGCGCATCCACAGGGCGAACGGCCCTTCG
 CCTGCCCCGAGTGCAGGACAGCTTTCGGCAGCACGCAACCTCACCCAGCACGGCGCATCCACACGGG
 TGAACGGCCCTACGATGCCCTGAGTGTGGCAAGGCCTTCCGCCAGCGGCCACGCTCACGAGCATCTG
 CGCACCCACCGAGAGAGAAGCCCTTCGCTGCCAGGACTGTGGCCGCGCTTCCACCAGAGCACCAAGC
 TCATTACAGCACCGCGCTCCACAGCGCCGAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_198055.2](#)

RefSeq Size: 2938 bp

RefSeq ORF: 2205 bp

Locus ID: 7593

UniProt ID: [P28698](#)

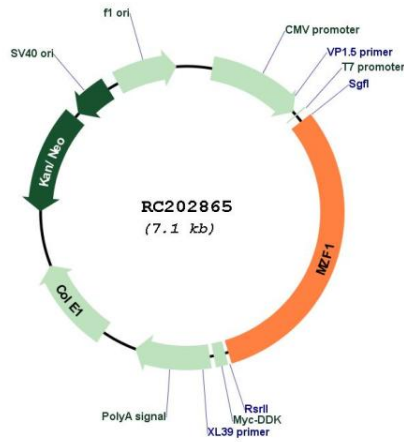
Cytogenetics: 19q13.43

Protein Families: Transcription Factors

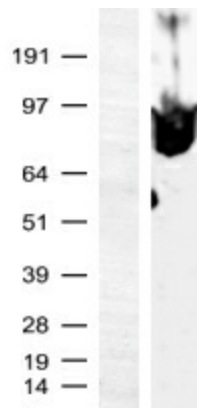
MW: 82.1 kDa

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 RC202865



Western blot validation of overexpression lysate (Cat# [LY418714]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC220791] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).