

Product datasheet for **RG233667**

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:	TurboGFP
Symbol:	MZF1
Synonyms:	MZF-1; MZF1B; ZFP98; ZNF42; ZSCAN6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG233667 representing NM_001267033 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCTGCGGTGCTGGGCTCCCCAGACCGAGCACCCCAAGAAGATGAGGGCCTGTCATGGTGAAGC
TAGAGGACTCTGAGGAGGAGGGTGAGGCTGCCTTATGGGACCCAGGCCCTGAAGCTGCACGCCTGCGTTT
CCGGTGTTCGCTATGAGGAGGCCACAGGGCCCCAAGAGGCCCTGGCCAGCTCCGAGAGCTGTGTCCG
CAGTGGCTGCGTCCAGAGGTACGCTCCAAGGAGCAGATGCTGGAGCTGTTGGTGTGGAGCAGTTCTGG
GCGCACTGCCCTGAGATCCAGGCCGTGTGCAGGGGCAGCGCCAGGCAGCCCGAGGAGGCTGCTGC
CCTAGTAGATGGGCTGCGCCGGGAGCCGGCGGACCCCGAGATGGGTACAGTCCAGGTGCAGGGCCAG
GAGGTCTATCAGAGAAGATGGAGCCCTCCAGTTTCCAGCCCCTACCTGAAACTGAGCCTCCAACCTCCAG
AGCCTGGGCCCAAGACACCTCCTAGGACTATGCAGGAATCACCCTGGGCTGCAGGTGAAAGAGGAGTC
AGAGGTTACAGAGGACTCAGATTTCTGGAGTCTGGGCTCTAGCTGCCACCCAGGAGTCTGTACCCACC
CTCCTGCCTGAGGAGGCCAGAGATGTGGGACCGTGTGGACCAGATCTTCCCCACAGCAAGACTGGGC
CTGAGGGTCCCTCATGGAGGGAGCACCCAGGGCCCTGTGGCATGAGGAAGCTGGGGCATCTTCTCCCC
AGGGCCCGGAGCCGGGGCCGCCAGCACTGGGGCGGGGTGGTATAGGGCGGCCGTTGCGATGTATGTG
GCAAGGTGTTACGCCAACGCAGCAACTGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233667 representing NM_001267033
 Red=Cloning site Green=Tags(s)

MRPAVLGSPDRAPPEDEGPVMVKLEDESEEEGEALWDPGPEAARLRFRCFRYEEATGPQEALQLRELCR
 QWLRPEVRSKEQMLELLVLEQFLGALPPEIQARVQGRPGSPPEAAALVDGLRREPGRRWTVVQVQGQ
 EVLSEKMEPSSFQPLPETEPPTPEPGPKTPPRTMQESPLGLQVKEESEVTEDSDFLESGPLAATQESVPT
 LLPEEAQRCGTVLDQIFPHSKTGPEGPGSWREHPRALWHEEAGGIFSPGAGAGAAPALGAGWLGAAVAMYV
 ARCSANAATC

TRTRPLE - GFP Tag - V

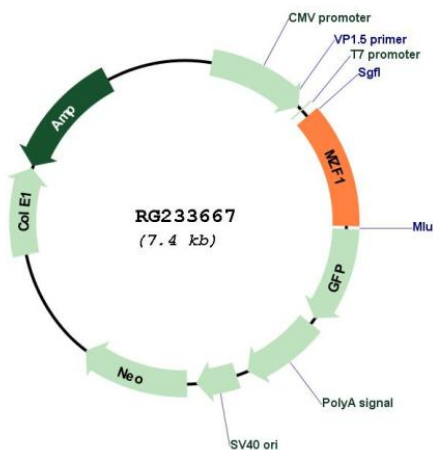
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<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_001267033.2
RefSeq Size:	2694 bp
RefSeq ORF:	873 bp
Locus ID:	7593
UniProt ID:	P28698
Cytogenetics:	19q13.43
Protein Families:	Transcription Factors
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]