

## Product datasheet for **SC307624**

### Myeloid zinc finger 1 (MZF1) (NM\_198055) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myeloid zinc finger 1 (MZF1) (NM_198055) Human Untagged Clone
Tag:	Tag Free
Symbol:	Myeloid zinc finger 1
Synonyms:	MZF-1; MZF1B; ZFP98; ZNF42; ZSCAN6
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_198055 edited  
 CTGACTACATCTGCCGAAAGCATCGGGCCAAGCCTTTCTCCATTTTGCGGTCTAGGAAG  
 TAGCAGAGGCCCTTCTGTAGGGAGTTGCCATGGAGACGCGGTGGGGCACCGACGGAGT  
 TCTAATGACGGCCGTGATTGGTGCAAGATCCTGCTAATCTCAGGAAGGCCGTAGAGAAG  
 GGCAGACACTGGCCTCAGATACCTGACCTGGTACCCTCTATGAGGCCTGCGGTGCTGGGC  
 TCCCCAGACCCAGCACCCCCAGAAGATGAGGGGCTGTCATGGTGAAGCTAGAGGACTCT  
 GAGGAGGAGGGTGAAGCTGCCTTATGGGACCCAGGCCCTGAAGCTGCACGCTGCGTTTC  
 CGGTGCTTCCGCTATGAGGAGGCCACAGGGCCCCAAGAGGCCCTGGCCAGCTCCGAGAG  
 CTGTGTCGCCAGTGGCTGCGTCCAGAGGTACGCTCCAAGGAGCAGATGCTGGAGCTGTTG  
 GTGCTGGAGCAGTTCTGGGCGCACTGCCCCCTGAGATCCAGGCCGTGTGCAGGGGCGAG  
 CGGCCAGGCAGCCCCGAGGAGGCTGCTGCCCTAGTAGATGGGCTGCGCCGGGAGCCGGGC  
 GGACCCCGGAGATGGGTACAGTCCAGGTGCAGGGCCAGGAGTCTATCAGAGAAGATG  
 GAGCCCTCCAGTTTCCAGCCCTACCTGAAACTGAGCCTCCAACCTCCAGAGCCTGGGCC  
 AAGACACCTCCTAGGACTATGCAGGAATCACCCTGGGCCTGCAGGTGAAAGAGGAGTCA  
 GAGGTTACAGAGGACTCAGATTTCTGGAGTCTGGGCCTTAGCTGCCACCCAGGAGTCT  
 GTACCCACCTCCTGCCTGAGGAGGCCACAGAGATGTGGGACCGTCTGGACCAGATCTTT  
 CCCCACAGCAAGACTGGGCCTGAGGGTCCCTCATGGAGGAGCACCCAGGGCCCTGTGG  
 CATGAGGAAGCTGGGGGCATCTTCTCCCAGGGTTCGCGTGCAGCTAGGCAGCATCTCC  
 GCAGGTCCAGGTAGTGTAAAGCCCTCACCTCCACGTCCCCTGGGACCTCGGCATGGCTGGC  
 CTTTCTGGCCAGATCCAATCACCTCCCAGCAAGGTGGCTTTGCGCATGCGCTTCTGCTC  
 CCCAGCGATCTGAGGAGTGAACAGGACCCACGGACGAGGATCCCTGCCGGGTGTGGGC  
 CCTGCTGTATCACCACCCGCTGGCGCTCCCCAGGGGCCGAGCCGGGGCCGCCCCAGC  
 ACTGGGGCCGGGTGGTTAGGGGCGCCGTTGCGATGTATGTGGCAAGGTGTTGAGCCAA  
 CGCAGCAACCTGCTGAGGCACCAGAAGATCCACACGGGTGAGCGACCATTCGTGTGACG  
 GAGTGCAGCCGACGCTTACGCCGAGCTCGCACCTGCTGCGCCACAGCTTACGCACACC  
 GAGGAGCGGCCGTTCTGTGTGCGGCGACTGTGGCCAGGGCTTCGTGCGCAGCGCGCCTG  
 GAAGAGCATCGGAGAGTGCACACGGGCAACAGCCTTTCCGTTGCGCTGAGTGCAGCCAG  
 AGCTTCCGGCAGCGCTCCAATCTGCTGCAGCACCAGCGCATCCACGGCGATCCCCGGGC  
 CCTGGCGTAAGCCCCGGCCCCCTCTGGTGCGCCGAGCCTCCCGGCCCTTTCCGTGC  
 AGCGAGTCCCGCAGAGCTTCCGCGCGCGCCGCTGCTGCTGGAGCACCAGGCGGTACAC  
 ACGGGCGACAAGTCTTTGGCTGCGTGCAGTGCAGCGAGCGCTTCGGCCCGGCTCAGTG  
 CTGCTGCAGCACCAGCGCGTGCACAGTGGCGAGCGGCCCTTCGCCTGTGCCGAGTGCAGC  
 CAGAGCTTCCGGCAGCGCTCCAACCTGACGCAGCACCAGCGCATCCACACCGGGGAGCGG  
 CCCTTCGCTGCGCCGAGTGTGGCAAGGCCTTCCGCCAGCGGCCTACGCTCACGCAGCAT  
 CTCCGCGTACACACGGGCGAGAAACCTTTGCCTGCCCGAGTGTGGCCAGCGCTTACGC  
 CAGCGCTCAAGCTCACGCGTATCAGAGGACACACACCGGCGAAAAGCCCTACCACTGC  
 GGTGAGTGCAGCCTGGGCTTACGCAGGTCTCGCGGCTCACCGAGCACCAGCGCATCCAC  
 ACGGGCGAACGGCCCTTCGCTGCCCGAGTGCAGGACAGGCTTTCGGCAGCAGCCAAAC  
 CTCACCCAGCACCGGCGCATCCACACGGGTGAACGGCCCTACGCATGCCCTGAGTGTGGC  
 AAGGCCTTCCGCCAGCGGCCACGCTCACGCAGCATCTGCGCACCCACCGACGAGAGAAG  
 CCCTTCGCTGCCAGGACTGTGGCCGCGCTTCCACCAGAGCACCAAGCTCATTACGCAC  
 CAGCGCGTCCACAGCGCCGAGTAGCTCCAGCCGGGACGCACTGTGTCCGCCATGGTCCAG  
 ACACCTACCTCCCTGGTTATTGTGAGGCTGGCGATTACATAAGTATAAGCAGGTCCGCC  
 CAGGGCTTGCTACTGTAGGTGTCCAATAAACAGTAGATGGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_198055  
**Insert Size:** 2600 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>The ORF of this clone has been fully sequenced and found to be a perfect match to NM_198055.1.</p>
<b>Components:</b>	<p>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).</p>
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<p><a href="#">NM_198055.1</a>, <a href="#">NP_932172.1</a></p>
<b>RefSeq Size:</b>	<p>2938 bp</p>
<b>RefSeq ORF:</b>	<p>2205 bp</p>
<b>Locus ID:</b>	<p>7593</p>
<b>UniProt ID:</b>	<p><a href="#">P28698</a></p>
<b>Cytogenetics:</b>	<p>19q13.43</p>
<b>Protein Families:</b>	<p>Transcription Factors</p>
<b>Gene Summary:</b>	<p>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] Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1).</p>