

Product datasheet for **SC320768**

Myeloid zinc finger 1 (MZF1) (NM_198055) Human Untagged Clone

Product data:

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| 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: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >OriGene sequence for NM_198055.1
 GGCACGAGGCTGACTACATCTGCCGAAAGCATCGGGCCAAGCCTTTCTCCATTTTGC GG
 TCTAGGAAGTAGCAGAGGCCCTTCTGTAGGGAGTTGCCATGGAGACGCGGTGGGGCAC
 CGACGGAGTTCTAATGACGGCCGTGATTGGTGCAGGATCCTGCTAATCTCAGGAAGGCC
 GTAGAGAAGGGCAGACTGGCCTCAGATACCTGACCTGGTACCCTCTATGAGGCCTGCG
 GTGCTGGGCTCCCAGACCGAGCACCCCAAGAATGAGGGGCCGTGCATGGTGAAGCTA
 GAGGACTCTGAGGAGAGGGTGAGGCTGCCTTATGGGACCCAGGCCCTGAAGCTGCACGC
 CTGCGTTTTCCGGTGCTTCCGCTATGAGGAGGCCACAGGGCCCAAGAGGCCCTGGCCAG
 CTTCCGAGAGCTGTGTCGCCAGTGCTGCGTCCAGAGGTACGCTCCAAGGAGCAGATGCTG
 GAGCTGTTGGTGTGGAGCAGTTCCTGGGCGCACTGCCCCCTGAGATCCAGGCCGTGTG
 CAGGGGCAGCGCCAGGCAGCCCCGAGGAGGCTGCTGCCCTAGTAGATGGGCTGCGCCGG
 GAGCCGGGCGACCCCGGAGATGGGTACAGTCCAGGTGCAGGGCCAGGAGGTCTATCA
 GAGAAGATGGAGCCCTCCAGTTTCCAGCCCCTACCTGAAACTGAGCTCCAACCTCAGAG
 CCTGGGCCAAGACACCTCCTAGGACTATGCAGGAATCACCACTGGCCCTGCAGGTGAAA
 GAGGAGTCAGAGGTTACAGAGGACTCAGATTTCTGGAGTCTGGGCCTTAGCTGCCACC
 CAGGAGTCTGTACCCACCCTCCTGCCTGAGGAGGCCAGAGATGTGGGACCGTGTGGAC
 CAGATCTTTCCACAGCAAGACTGGGCCTGAGGGTCCCTCATGGAGGGAGCACCCCAAGG
 GCCCTGTGGCATGAGGAAGCTGGGGCATCTTCTCCCAAGGGTTCGCGCTGCAGTAGGC
 AGCATCTCCGAGGTCCAGGTAGTGTAAAGCCCTCACCTCCACGTCCCCTGGGACCTCGGC
 ATGGCTGGCCTTTCTGGCCAGATCCAATCACCCCTCCCGCAAGGTGGCTTTGCGCATGCG
 CTTCTGCTCCCAGCGATCTGAGGAGTGAACAGGACCCACGGACGAGGATCCCTGCCGG
 GGTGTGGGCCCTGCTCTGATCACACCCGCTGGCGTCCCCAGGGCCGGAGCCGGGGC
 GCCTCCAGCACTGGGGCGGGGTGGTTAGGGCGGCCGTTGCGATGTATGTGGCAAGGTG
 TTCAGCCAACGCAGCAACCTGCTGAGGCCACAGAAGATCCACACGGGTGAGCGACCATT
 GTGTGCAGCGAGTGGGGCGCAGCTTACGCCGAGCTCGCACCTGCTGCGCCACCAGCTT
 ACGCACACCGAGGAGCGGCCGTTCTGTGCGGCGACTGTGGCCAGGGCTTCGTGCGCAGC
 GCGCGCTGGAAGAGCATCGGAGAGTGCACACGGGCGAACAGCCTTTCGTTGCGCTGAG
 TGCGGCCAGAGCTTCCGGCAGCGCTCCAATCTGCTGCAGCACCAGCGCATCCACGGCGAT
 CCCCCGGGCCCTGGCGTAAGCCCCGGGCCCTCCTGGTGGCCCCGAGCCTCCCGCCCC
 TTTCCGTGCAGCGAGTGGCGGAGAGCTTCGCGCGCGCGCCGTGCTGCTGGAGCACCAG
 GCGGTACACACGGGCGACAAGTCTTTGGCTGCGTTCGAGTGGCGGAGCGCTTCGGCCGC
 CGCTCAGTGTGCTGCAGCACCGCGCGTGCACAGTGGCGAGCGGCCCTTCGCTGTGCC
 GAGTGGCGCCAGAGCTTCCGGCAGCGCTCCAACCTGACGACAGCACCGGGCGCATCCACACC
 GGGGAGCGGCCCTTCGCTGCGCCGAGTGTGGCAAGGCCTTCGCGCAGCGGCCTACGCTC
 ACGCAGCATCTCCGCTACACACGGGCGAGAAACCTTTCGCTGCCCCGAGTGTGGCCAG
 CGCTTACGCCAGCGCCTCAAGCTCACGCGTCATCAGAGGACACACACCGGCGAAAAGCCC
 TACCACTGCGGTGAGTGGCCCTGGGCTTACGCGAGTCTCGCGGCTCACCGAGCACCAG
 CGCATCCACACGGGCGAACGGCCCTTCGCTGCCCGAGTGGGCCAGAGCTTTCGGCAG
 CACGCCAACCTCACCCAGCACCGGCGCATCCACACGGGTGAACGGCCCTACGCATGCCCT
 GAGTGTGGCAAGGCCTTCCGCCAGCGGCCACGCTCACGACGATCTGCGCACCCACCGA
 CGAGAGAAGCCCTTCGCTGCCAGGACTGTGGCCGCCGCTTCCACCAGAGCACCAGCTC
 ATTCAGCACCAGCGCTCCACAGCGCCGAGTAGCTCCAGCCGGGACGCACTGTGTCGCC
 ATGGTCAGAACACCTACCTCCCCTGGTTATTGTGAGGCTGGCGATTACATAAGTATAAGC
 AGGTCCGCCAGGGCTTGGCTACTGTAGGTGTCCAATAAACAGTAGATGGAAAAAAAAA
 AAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_198055

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| OTI Disclaimer: | <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 custsupport@origene.com 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. More info</p> |
| OTI Annotation: | <p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p> |
| Components: | <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> |
| 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_198055.1 , NP_932172.1 |
| RefSeq Size: | 2938 bp |
| RefSeq ORF: | 2205 bp |
| Locus ID: | 7593 |
| UniProt ID: | P28698 |
| Cytogenetics: | 19q13.43 |
| Protein Families: | Transcription Factors |
| Gene Summary: | <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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1).</p> |