

Product datasheet for **MC220841**

Gzf1 (NM_028986) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gzf1 (NM_028986) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gzf1
Synonyms:	8430437G08Rik; mGZF1; Zfp336
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220841 representing NM_028986
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAAGTGGCACAGTTTTGCTGGAATCCAAATCTTCACCACTCAACCTTCTGCATGAGATGCATGAGC
 TCCGCCTTCTGGGCCACTTGTGTGATGTCACTGTTAGCATAGAGAACCAGGGTGTCCATGAAGACTTCAT
 GGCCATAAAGCAGTGTGGCGGCCACCAAGTATTTTAAAGGAGGTGTTCTAAACGAGAAGAGTGCA
 GATGGAACCAAGGACTAATGTTTACTTGAATGAAGTTCAGGCTGTTGACTTTGCTTCGTTTCTGGAGTTTG
 TCTATACTGCCAAAGTGGGGTAGAAGAAGACCGTGTGCAGCAGATGCTCGAAGTGGCTGAGAAGCTAAA
 GTGTTTGGACCTGTCTGAAACATGCTTGCAGCTAAAGAAGCAGATGTGGAGTCTGTCTTTTGAATTG
 CAGAATTTCTGAGTCTCAGGAGGTGGAGGCCAGCAGTGGCCCCAGGTGAGTGTACCCCCAGCTCCA
 AAGCAAGTGTACCAGGGGAGGATGCTCACTCCAATGGCCTTGTAGATTCTCCGACTACCAATAGAGAG
 ACTGGGCAATGGGCTCTCACCAGAAACACCATCCAAGAAGTGTAAAGGAGAACTGGACAAGAAGAAAGAT
 GTGGCTAAGCCTCCCTTCCCTAAATCAGAAGAGCAAGTGGGAGGCTGGCTGGAAAAAGGTGTTTGTGG
 AAATCCCCAAAAAGAAATATACAAGAAGGCTCCGAGAACAGCAGAAAAAGTGTGAGGAAGCCGAGAGAA
 TGACAAGTGTCTCAGGACCAAGGCCAGACAATGAGAGGATGGAGACTGAGCCAGCTGCCAAAAGTGAG
 GCTTGCCCTGCTAGTGTAGAAGTGGAGGAAAGCCTGCAGAAAGTGGAGGGGAGAAAGGAAGGAAGAAG
 GAAAGGACGGGGAGGAGAAGAAGAAGAGTAACCTCCAGTGCACAGTCTGTGACAAGGCCTTCCTGTACGA
 GAAGAGTTTCTGAAACATATCAAGTACCACCATGGTGTGGCCACCGAAGTGGTGTACCGATGTGACACT
 TGTGGCCAGACCTTTGCCAACCGCTGCAACCTGAAGAGCCACAGCGCCACGTGCACAGCAGCGAGCGCC
 ACTTCCCGTGTGAAATGTGTGCCAAGAAGTTCAAACGCAAGAAAGATGTGAAACGGCATGTGCTGCAGGT
 GCATGAGGGTGGTGGCGAGCGGCCACCGCTGTGGCCAGTGTGGCAAGGCCTGAGCTCCAAGACTGCTCTG
 CGGCTGCACGAGCGCACACACAGGCGACAAGCCCTATGGCTGTACCAAGTGTGATGCCAAGTTCTCAC
 AGCCATCAGCTCTTAAACCCACCTGAGAGTTCATACAGGGGAAAGACCTTTTGTCTGTGATGAATGTGG
 TGCAAGATTCACTCAGAACCACATGCTGATTTATCATAAAGGTGCCACACAGGTGAAAGGCCTTTCATG
 TGTGAGACATGTGGCAAGAGTTTGTCTTAAGGAGTACTTAAGCATCATAACAGAATCCACACTGGAT
 CGAAGCCCTTTAAATGTGAAGTGTGCTTGCAGACCTTTGCTCAGCGCAATTCCTGTACCAGCATATTA
 AGTCCACACGGGAGAGCGGCCTTATTGTTGTGACCAAGTGTGGGAAGCAGTTCACCCAGGTAATGCCCTC
 CAGCGCCACCATCGCATCCACTGGGAGAAGCCATACATGTGCAATGCATGTGGACGAGCTTTTACTG
 ACAAGTCTACTCTCCGGAGGCATACCTCAATACATGATAAGAATACGCCGTGGAAGTCTTTCCTTGTGAT
 TGTAGATGGCTCACCCAAGAATGATGAAGGCATAAGACAGAACAACCCGATGATGAATATGCATACCC
 AAATTTTCAGATCGATTACTATCTTTTGGTGAAAAAGCCATTTCAACAATTACTGGAAGTCCAAGGCA
 ATGTGCTGCGGTGCAGGAGAAGAGCTCTACAGGCGCTGCTTGAAGAGCAGTGGTGTCTCAGGACGCTCT
 GCTTACCACTTCCATCAGTGCCTTGGTGTGAGCTCACCCACAGGCAGTTTCCATGCCTGCACACCTTCCC
 TCCTTGACCAATATGGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_028986
Insert Size: 2121 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_028986.3</u> , <u>NP_083262.1</u>
RefSeq Size:	4152 bp
RefSeq ORF:	2121 bp
Locus ID:	74533
UniProt ID:	<u>Q4VBD9</u>
Cytogenetics:	2 G3
Gene Summary:	Transcriptional repressor that binds the GZF1 responsive element (GRE) (consensus: 5'-TGCGCN[TG][CA]TATA-3'). May be regulating VSX2/HOX10 expression.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.