

Product datasheet for **MR230078**

Mzf1 (NM_001290453) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mzf1 (NM_001290453) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mzf1
Synonyms:	Mzf-2; Mzf2; Zfp98; Zfp121; Znf42
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR230078 representing NM_001290453
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGACAGCATCACGGCAGAGCCAGATATGATGAGCCCCACCTCCATGTCCCCTGGGATCTGGACATGG
 CTAGCCTCTCTGGACAGATACAGTCCCCACCACGGAAGGTGGCTTTGCCCATGCCCTTGTACTCCCAG
 CGACCCAGGAGGTGAACAGGACCCTGCCTGCGAGGATCCCTGCCCAAGTGTGGGCCAGCATTGGTGCG
 ACTCGATGGCATGCCCAAGGGGCCGGAGCCAGAGCCACCCTCGCTCGGGGACTGGAGCCATGCGAGGCG
 GCCGCTGCGACGTGTGTGGCAAGGTGTTAGCCAGCGAAGCAATCTGCTGCGGCACCAGAAGATCCACAC
 AGGCGAGAGACCCTTCGTGTGTGGCGAGTGTGGCCGAGCTTCAGCCGCGAGCTCTCACCTACTGCGCCAC
 CAGCTCACGCATACTGAGGAACGGCCTTCGTGTGCCGCGACTGTGGCCAGGGCTTCGTGCGCAGCGCC
 GCCTGGAGGAGCACCGGCGTGTACACACGGGCGAGCAGCGCTTCGCTGCACAGAGTGTGGCCAGAGCTT
 TCGGCAGCGCTCCAACCTACTGCAGCACCAGCGCATCCACGGCGATCCGCTGGTCCAGCGCCATCCATC
 CTGCCCCCTCGCCGGAGTCCCGGAGCCCCCGGGCCCTTCCCATGCAGCGAGTGTGCGAGAGCTTCCCAC
 GACGCGCCGTGCTGCTAGAGCACCAGGCGGTGCACACCGGGGACAAGTCCTTCGGATGCGTGGAGTGCGG
 CGAGCGCTTCGGCCGCGTTCGGTGCTGTTGCAGCACCGGCGCGTGCACAGCGCGCAACGGCCCTTCGCC
 TGTGCCGAGTGGCCAAAGCTTCGGCAGCGCTCTAATCTCACCCAGCACCAGCGCATCCACACTGGAG
 AGCGGCCCTTCGCTGCGCCGAATGTGGCAAGACCTTCGCCAGCGGCCACGCTCACGCAGCACCTGCG
 TGTGCATACGGGTGAGAAGCCCTTCGCGTGCCCGAGTGGCCAGCGCTTCAGCCAGCGACTCAAGCTC
 ACGCGCCACCAAGGACCATACTGGCAGAAGCCCTACTGCTGCGGTGAGTGGCCCTCGCTGTCCCGAATGTGG
 CCAGAGTTTCCGGCAGCAGCCAACTCACCCAGCACCAGCGCATCCATACGGGCGAGCGACCTACGCG
 TGTCCGAATGTGGCAAGGCCTTCGCCAGCGGCCACGCTCACGCAGCACCTGCGCACTCACCGGCACG
 AAAAGCCCTTCGCTGCCAGGACTGTGGCCGAGCTTCAACCAGAGCACCAAGCTCATCCAGCACCAGCG
 TGTCACAGCACTGAG

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230078 representing NM_001290453
 Red=Cloning site Green=Tags(s)

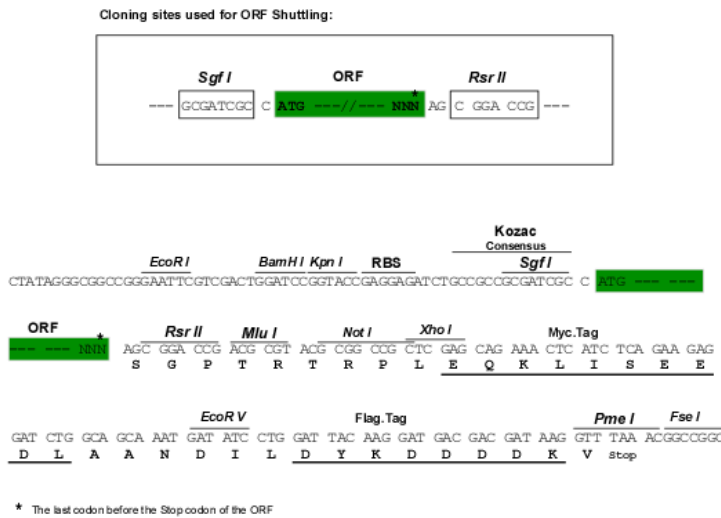
MDSITAEPDMMSPHLHVPWDLDMASLSGQIQSPTTEGGFAHALVLPSPDPGGEQDPACEDPCPSVGPALVA
 TRWHAPRGRSQSHPRSGTGAMRGGRCVCGKVFSSQSNLLRHQKIHTGERPFVCGECGRSFSRSSHLLRH
 QLTHTEERPFVCRDCQGQFVRSARLEEHRRVHTGEQPFRCTECGQSFRQRSNLLQHRIHGDPPGPAPSI
 LPLAGVPEPPGPFPCSECFPRRAVLLLEHQAVHTGDKSFGCVCGERFGRRSVLLQHRRVHSGERPFAC
 CAECGQSFRQRSNLQHQRIHTGERPFACAECGKTFRQRPTLTQHLRVHTGEKPFACPECGQRFSSQLKL
 TRHQRTHTEKPYCCGECGLGFTQVSRLEHQRIHTGERPFACPECGQSFQHANLTQHRRHTGERPYA
 CPECGKAFRQRPTLTQHLRTHRHEKPFACQDCGRRFNQSTKLIQHQRVHSTE

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

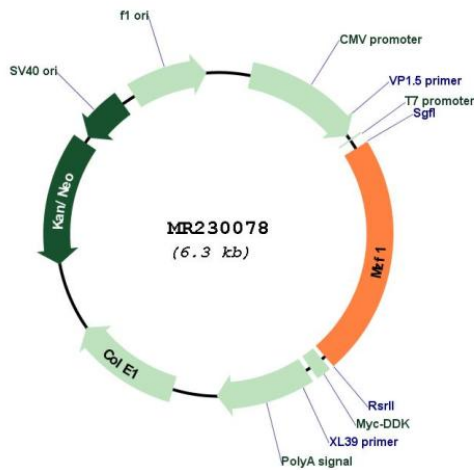
Restriction Sites:

SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290453

ORF Size: 1416 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:

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_001290453.1](#), [NP_001277382.1](#)

RefSeq Size: 3597 bp

RefSeq ORF: 1419 bp

Locus ID: 109889

Cytogenetics: 7 7.73 cM

MW: 53.7 kDa