

## Product datasheet for **MR225296**

### **Maz (NM\_010772) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Maz (NM_010772) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maz
Synonyms:	MAZI; Pur-1; PUR1; SAF-1; SAF-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR225296 representing NM\_010772  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTCCCGTGTTCCTTGCACGCTGCTGGCCCCCCTTCCCGTGTGGCCTGGACTCCCGGGGG  
 TGGCGCGCCTCATGAACCTCTCCGCCACCTCAGGGTCACGCCAGAAGCCCTCAGGTCGGGGCTGA  
 GCTCCAGTCCCGTCTTCTTGCCTCCAGGGCTGCGCCAGAGTCCATTCCAGGCCGCGCCGGCGCCCCA  
 CCCACGCCAGGCCCGCGCGCCGAGCCCTCCAAGTGGACTTGTCCCGTCTCGCCGCCGCGCAGG  
 AATCAGCCGCGCGCGCGCGCTGCTGCGCGGCTGCCGTGCAGTGTTACTGCACCCCGGCCCTGC  
 CGCCGCTCCACAGTGGACACAGCGCCCTGAAGCAGCTCCGGCGCTCTCCGCCACCCCTGCCGTC  
 TCCGACACAGCCGAGGCCGCGCCCCCGCGCGGCCACTATCGCAGCAGCGGTGCCACCGCTG  
 TCGTCGCCCAACCTCGACGGTCGCGTGGCCCCAGTTGCATCTGTCTTGAGAAGAAGACAAAGAGCAA  
 GGGGCCCTACATTGCGCCCTGTGCGCAAGGAGTTCAAGAACGGCTACAACCTCCGAAGGCACGAAGCC  
 ATCCACACGGGAGCCAAGGCTGGCCGGTCCCTTCGGGTGCTATGAAGATGCCACCATGGTGCCCTGA  
 GCCTCTTGAGTGTCCCCAGCTGAGCGGGGCCAGCGGGGTGGGGAGAAGCCGGGGCTGGCGCGGCAC  
 AGCCGCGGTGGCGGCCGCTGGCGTTGTGACCACGACTGCCTCTGGGAAGCGCATCCGGAAGAATACGCC  
 TGCGAGATGTGCGGAAGGCCTTCGCGACGTCTACCACCTGAACCGACATAAGCTGTGCATTCCGACG  
 AGAAGCCCTACAGTGCCTGTGTGCCAGCAGCGCTTCAAGCGCAAGGACCGCATGAGTTACCACGTGCG  
 CTCACATGACGGCGCTGTGCACAAGCCCTACAAGTGTCCCACTGTGGCAAGAGCTTCTCCCGCCGGAT  
 CACCTCAACAGTCACGTGAGCAAGTGCCTCAACAGAGCGGCCCTCAAATGTGAGAAATGTGAGGCAG  
 CTTTGTGCTACGAAGGATCGCCTCCGAGCGCACACAGTCCGACAGGAGAAGGTGCCATGTCTGTCTG  
 TGGCAAGATGCTGAGCTCGGCTTATATTTCCGACCACATGAAGGTGCACAGCCAGGGCCCTCACCATGTC  
 TGTGAGCTCTGCAACAAAGTACTGGTGAAGTTTGTCCAATGGCGGCAGCGGCAGCAGCAGCGCGCGCG  
 CGGCAGCAGCAGTGGTGGCAGCCCCCCCCACAGCTGTGGGCTCCCTCTCTGGGGCAGAGGGGTACCAGT  
 GAGCTCTCAGCCACTTCCTCCAGCCTTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR225296 representing NM\_010772  
 Red=Cloning site Green=Tags(s)

MFPVFPCTLLAPFPVLGLDSRGVGLMNSFPPQGHQNPQLQVGAELQSRFFASQGCAQSPFQAAPAPP  
 PTPQAPAAEPLQVDLLPVLAAAEQSAAAAAAAAAAAAVVTAPPAPAASTVDTAALKQPPAPPPPPAV  
 SAPAAEAAPPAATIAAAATAVVAPTSTVAVAPVASVLEKTKSKGPYICALCAKEFKNGYNLRRHEA  
 IHTGAKAGRVPSGAMKPTMVPLSLLSVPQLSGASGGGGEAGAGGTAAVAAGGVVTTTASGKRIRKNHA  
 CEMCGKAFRDVYHLNRHKLSHSDEKPYQCPVCQQRFRKDRMSYHVRSHDGAHVHPYNCSSHCCKSFSPD  
 HLNSHVRQVHSTERPFKCEKCEAAFATKDRLRAHTVRHEEKVPCHVCGKMLSSAYISDHMKVHSQGP HHV  
 CELCNKGTGEVCPMAAAAAAAAAAAAVVAAPPTAVGSLSGAEGVPVSSQPLPSQPW

**TR**TRPLE**QKL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

## Cloning Scheme:



ACCN: NM\_010772

ORF Size: 1431 bp

OTI Disclaimer: 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](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

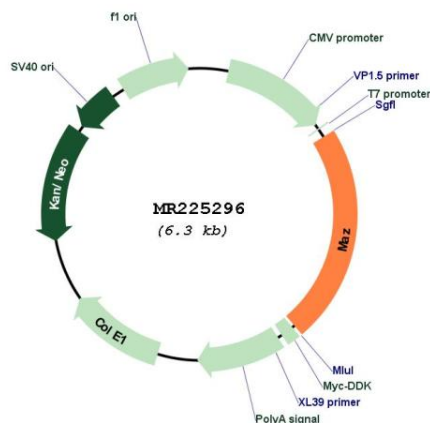
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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:	<u>NM_010772.1, NP_034902.1</u>
RefSeq Size:	2385 bp
RefSeq ORF:	1434 bp
Locus ID:	17188
Cytogenetics:	7 F3
MW:	49.2 kDa

## Product images:



Circular map for MR225296