

## Product datasheet for **MG225296**

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Maz (NM_010772) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Maz
Synonyms:	MAZI; Pur-1; PUR1; SAF-1; SAF-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225296 representing NM\_010772  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTTCCCGTGTCCCTTGACAGCTGCTGGCCCCCCTTCCCGTGTGGCCTGGACTCCCGGGGG  
 TGGGCGGCTCATGAACTCCTTCCCGCCACCTCAGGGTACGCCAGAACCCCTGCAGGTCGGGGCTGA  
 GCTCCAGTCCCGCTTCTTTCCTCCAGGGCTGCGCCAGAGTCCATTCCAGGCCGCGCCGGCGCCCCA  
 CCCACGCCAGGCCCGCGGGCCGAGCCCTCCAAGTGGACTTGTCCCGGTTCTCGCCGCGCGCAGG  
 AATCAGCCGCGGCGGGCGGCTGCTGCGGCGGCTGCCGTGCAGTGGTACTGCACCCCGGCCCTGC  
 CGCCGCTCCACAGTGGACACAGCGGCCCTGAAGCAGCCTCCGGCGCCTCCTCGCCACCCCTGCCGTC  
 TCCGACCAGCCGCGAGGCCGCGCCCCCGCGCGGCCACTATCGCAGCAGCGGCTGCCACCGCTG  
 TCGTCGCCCAACCTCGACGGTCCCGTGGCCCCAGTTGCATCTGTCTTGAGAAGAAGACAAAGAGCAA  
 GGGGCCCTACATTTGCGCCTGTGCGCCAAGGAGTTCAAGAACGGCTACAACCTCCGAAGGCACGAAGCC  
 ATCCACACGGGAGCCAAGGCTGGCCGGTCCCTTCGGGTGCTATGAAGATGCCACCATGGTGCCCTGA  
 GCCTTTGAGTGTCCCCAGCTGAGCGGGCCAGCGGGGTGGGGGAGAAGCCGGGGCTGGCGGGCGCAC  
 AGCCGCGGTGGCGGCCGGTGGCGTTGTGACCACGACTGCCTTGGGAAGCGCATCCGGAAGAATCACGCC  
 TGCGAGATGTGCGGAAGGCCTTCCGCGAGCTCTACCACCTGAACCGACATAAGCTGTGCGATTCCGACG  
 AGAAGCCCTACCAGTGCCTGTGTGCCAGCAGCGCTTCAAGCGCAAGGACCGCATGAGTTACCACGTGCG  
 CTCACATGACGGCGTGTGCACAAGCCCTACAAGTGTCCACTGTGGCAAGAGCTTCTCCCGCCGGAT  
 CACCTCAACAGTACGTGACACAAGTGCCTCAACAGAGCGGCCCTTCAAATGTGAGAAATGTGAGGCAG  
 CTTTTGCTACGAAGGATCGCCTCCGAGCGCACACAGTCCGACAGGAGAAGGTGCCATGTCATGTCG  
 TGGCAAGATGCTGAGCTCGGCTTATATTTCCGACCACATGAAGGTGCACAGCCAGGGCCCTCACCATGTC  
 TGTGAGCTCTGCAACAAAGGTAAGTGTGAGTTTGTCCAATGGCGGCAGCGGCAGCAGCAGCGGGCGCG  
 CGGCAGCAGCAGTGGTGGCAGCCCCCCCCACAGCTGTGGGCTCCCTCTCTGGGGCAGAGGGGTACCAGT  
 GAGCTCTCAGCCACTTCCCTCCAGCCTTGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG225296 representing NM\_010772  
 Red=Cloning site Green=Tags(s)

MFPVFPCTLLAPFPVVLGLDSRGVGLMNSFPPPQGHANPLQVGAELQSRFFASQGAQSPFQAAPAPP  
 PTPQAPAAEPLQVDLLPVLAAAQESAAAAAAAAAAAAVVAPPAPAAASTVDTAALKQPPAPPPPPAV  
 SAPAAEAAPAAAATIAAAAATAVVAPTSTVAVAPVASVLEKTKSKGPYICALCAKEFKNGYNLRRHEA  
 IHTGAKAGRVPSGAMKPTMVPLSLLSVPQLSGASGGGGEAGAGGTAAVAAGGVVTTTASGKRIRKNHA  
 CEMCGKAFRDVYHLNRHKLSHSDEKPYQCPVCQQRFRKDRMSYHVRSHDGAVHKPYNCSHGKSF SRPD  
 HLNShVRQVHSTERPFKCEKCEAAAFATKDRLRAHTVRHEEKVPCHVCGKMLSSAYISDHMKVHSQGP  
 CELCNKGTGEVCPMAAAAAAAAAAAAAVVAAAPPTAVGSLSGAEGVPVSSQPLPSQPW

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

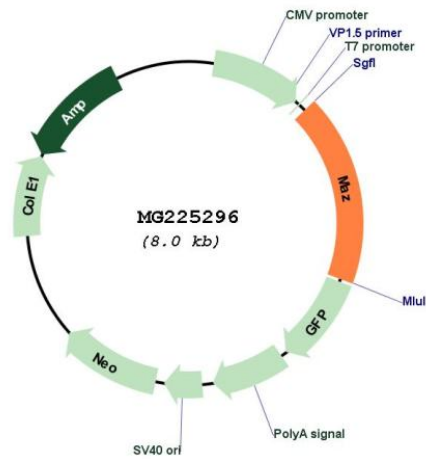
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM\_010772  
 ORF Size: 1431 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>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<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>	<a href="#">NM_010772.1</a> , <a href="#">NP_034902.1</a>
<b>RefSeq Size:</b>	2385 bp
<b>RefSeq ORF:</b>	1434 bp
<b>Locus ID:</b>	17188
<b>Cytogenetics:</b>	7 F3