

## Product datasheet for **RG219635**

### MAZ (NM\_002383) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAZ (NM_002383) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAZ
Synonyms:	Pur-1; PUR1; SAF-1; SAF-2; SAF-3; ZF87; Zif87; ZNF801
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG219635 representing NM\_002383  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCGATCTCGGCGGGCCAGCCCGGGCGGGCGCCCGCCCGCTGGAGCCTGGGGCCCGCTGCG  
 CCGAGGCCATGTTCCCGGTGTTTCTTGACGCTGCTGGCCCCCCTTCCCGTCTGGCCTGGACTC  
 CCGGGGGTTGGCGCCTCATGAACTCCTTCCCGCCACCTCAGGGTCACGCCCAGAACCCCTGCAGGT  
 GGGGTGAGCTCCAGTCCCGTCTTTGCTCCAGGGCTGCGCCAGAGTCCATTCCAGGCCGCGCGG  
 CGCCCCGCCACGCCAGGCCCGGGCGGAGCCCTCCAGGTGGACTTGTCCCGGTCTCGCCG  
 CGCCAGAGTCCGCCGGCTGCTGCGCCGCTGCCGCCGCTGCTGCCGCCGCTGCTGCCGCCCGCC  
 GCCCTGCCGCCCTCTACGGTGGACACAGCGCCCTGAAGCAGCTCCGGCGCCCTCCGCCACCC  
 CGCCAGTGTGGCGCCCGGGCGAGGCCGCGCCCGCCCTCCGCCGCACTATCGCCGCGGGCGGCG  
 CACCGCGTCTAGCCCCAACCTCGACGGTCCGCTGGCCCGGTGCGTCTGCCTTGAGAAGAAGACA  
 AAGAGCAAGGGCCCTACATCTGCGCTCTGTGCGCAAGGAGTTCAAGAACGGCTACAATCTCCGAGGC  
 ACGAAGCCATCCACAGGGAGCCAAGGCCGGCCGGTCCCTCGGGTGTATGAAGATGCCGACCATGTT  
 GCCCTGAGCCTCCTGAGCGTGGCCAGCTGAGCGGAGCCGGCGGGGAGGGGAGAGGCGGGTGGCGG  
 GGCGGCGTGCAGTGGCCGCCGGTGGCGTGGTACCACGACCGCTCGGGGAAGCGCATCCGGAAGAACC  
 ATGCTGCGAGATGTGTGGAAGGCTTCCGCGAGCTTACCACCTGAACCGACACAAGTGTGCACTC  
 GGACGAGAAGCCCTACCAGTCCCGGTGTGCCAGCAGCGTTCAAGCGCAAGGACCGCATGAGCTACCAC  
 GTGCGCTCACATGACGGCGTGTGCACAAGCCCTACAAGTGTCCACTGTGGCAAGAGCTTCTCCCGG  
 CGGATCACCTCAACAGTACGTACAGACAAGTGCACCTCAACAGAAGGCGCCCTTCAAATGTGAGAAATGTGA  
 GGCAGCTTTCGCCACGAAGGATCGGCTGCGGGCGCACACAGTACGACACGAGGAGAAAAGTGCATGTGAC  
 GTGTGTGCAAGATGCTGAGCTCGGCTTATTTTCGACCACATGAAGGTGCACAGCCAGGGTCTCACC  
 ATGTCTGTGAGCTCTGCAACAAAGTACTGGTGGTTTGTCCAATGGCGGCGGAGCGGAGCAGCGG  
 AGCAGTAGCAGCCCTCCACAGCTGTGGGCTCCCTCTCGGGGCGGAGGGGGTGCCTGTGAGCTCTCAG  
 CCACTTCCCTCCCAACCCTGG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG219635 representing NM\_002383  
 Red=Cloning site Green=Tags(s)

MRSRRGPAPRPARPRWSLGPRAEAMFPVFPCTLLAPFPVPLGLDSRGVGLMNSFPPPQGHANPLQV  
 GAELQSRFFASQCAQSPFQAAPAPPTPQAPAAEPLQVDLLPVLAAAQESAAAAAAAAAAAAVAAAPP  
 APAAASTVDTAALKQPPAPPPPPVSAPEAAAPPASAATIAAAAATAVVAPTSTVAVAPVASALEKKT  
 KSKGPYICALCAKEFKNGYNLRHEAIIHTGAKAGRVPSGAMKPTMVPLSLLSVPQLSGAGGGGEAGAG  
 GGAAVAAGGVVTTASGKRIRKNHACEMCGKAFRDVYHLNRHKLSHSDEKPYQCPVCQQRFRKDRMSYH  
 VRSHDGAHVHPYNCCHGKSF SRPDHLNSHVRQVHSTERPFKCEKCEAFATKDRLRAHTVRHEEKVPCH  
 VCGKMLSSAYISDHMKVHSQGPVHVCCLCNKGTGEVCPMAAAAAAAAAVAAAPPTAVGSLSGAEGVPVSSQ  
 PLPSQPW

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_002383

**ORF Size:** 1491 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:** [NM\\_002383.1](#), [NP\\_002374.1](#)

RefSeq Size: 1738 bp

RefSeq ORF: 1434 bp

Locus ID: 4150

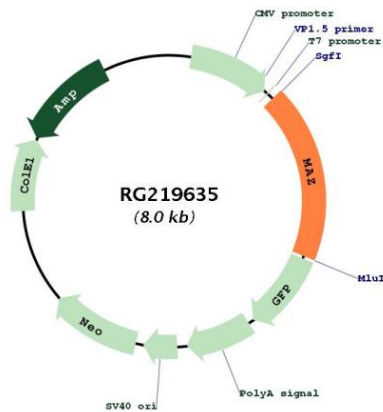
UniProt ID: [P56270](#)

Cytogenetics: 16p11.2

Protein Families: Transcription Factors

**Gene Summary:** May function as a transcription factor with dual roles in transcription initiation and termination. Binds to two sites, ME1a1 and ME1a2, within the MYC promoter having greater affinity for the former. Also binds to multiple G/C-rich sites within the promoter of the Sp1 family of transcription factors. Regulates inflammation-induced expression of serum amyloid A proteins.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG219635