

Product datasheet for **RG233358**

MAZ (NM_001276276) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAZ (NM_001276276) 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)
ORF Nucleotide Sequence: >RG233358 representing NM_001276276
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCCGGTGTTTCCTTGACAGCTGCTGGCCCCCCTTCCCCGTGCTGGGCCTGGACTCCCGGGGG
TGGGCGGCTCATGAACCTCTCCGCCACCTCAGGGTACGCCAGAACCCCTGCAGGTGGGGCTGA
GCTCCAGTCCCGCTTCTTGCCTCCAGGGCTGCGCCAGAGTCCATTCCAGAAATGTGAGGCAGCTTC
GCCACGAAGGATCGGCTCGGGCGCACACAGTACGACACGAGGAGAAAGTCCATGTCACGTGTGTGCA
AGATGCTGAGCTCGGCTTATATTCGGACCACATGAAGGTGCACAGCCAGGGTCCCTACCATGTCTGTGA
GCTCTGCAACAAAGTACTGGTGTGAGTTTGTCCAATGGCGGCGGAGCGGCAGCGGCGGAGCGGCAGCA
GCGGCAGCAGTAGCAGCCCTCCACAGCTGTGGGCTCCCTCTCGGGGGCGGAGGGGGTGCCTGTGAGCT
CTCAGCCACTTCCTCCCAACCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233358 representing NM_001276276
Red=Cloning site Green=Tags(s)
MFPVFPCTLLAPFPVVLGLDSRGVGLMNSFPPQGHANPLQVGAELQSRFFASQGCAQSPFQKCEAAF
ATKDLRAHTVRHEEKVPCHVCGKMLSSAYISDHMKVHSQGPVHVCELCKNGTGEVCPMAAAAAAAAAA
AAVAAPPTAVGSLSGAEGVPVSSQPLPSQPW

TRTRPLE - GFP Tag - V

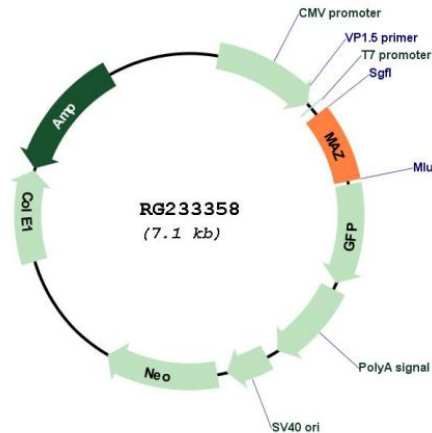
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_001276276

ORF Size: 516 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:	<ol style="list-style-type: none">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_001276276.2</u>
RefSeq Size:	1644 bp
RefSeq ORF:	519 bp
Locus ID:	4150
UniProt ID:	<u>P56270</u>
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]