

Product datasheet for **RC233358**

MAZ (NM_001276276) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MAZ (NM_001276276) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MAZ
Synonyms: Pur-1; PUR1; SAF-1; SAF-2; SAF-3; ZF87; Zif87; ZNF801
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233358 representing NM_001276276
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCCGGTGTTTCCTTGACGCTGCTGGCCCCCCTTCCCCGTGCTGGGCCTGGACTCCCGGGGG
TGGGCGGCTCATGAACCTTCCCGCCACCTCAGGGTACGCCCAGAACCCCTGCAGGTGGGGCTGA
GCTCCAGTCCCGCTTCTTGCCTCCAGGGCTGCGCCAGAGTCCATTCCAGAAATGTGAGGAGCTTTC
GCCACGAAGGATCGGCTGCGGGCGCACACAGTACGACACGAGGAGAAAGTCCATGTCACGTGTGTGGA
AGATGCTGAGCTCGGCTTATATTTCCGACCACATGAAGGTGCACAGCCAGGGTCCACCATGTCTGTGA
GCTCTGCAACAAAGTACTGGTGAAGTTTGTCCAATGGCGGCGGAGCGGCAGCGGCGGAGCGGCAGCA
GCGGCAGCAGTAGCAGCCCTCCACAGCTGTGGGCTCCCTCTCGGGGGCGGAGGGGGTGCCTGTGAGCT
CTCAGCCACTTCCCTCCAACCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC233358 representing NM_001276276
Red=Cloning site Green=Tags(s)

MFPVFPCTLLAPFPVVLGLDSRGVGLMNSFPPQGHANPLQVGAELQSRFFASQGCAQSPFQKCEAAF
ATKDLRAHTVRHEEKVPCHVCGKMLSSAYISDHMKVHSQGPVHVCCLCNKGTGEVCPMAAAAAAAAAA
AAVAAPPTAVGSLSGAEGVPVSSQPLPSQPW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


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:

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_001276276.2](#)

RefSeq Size: 1644 bp

RefSeq ORF: 519 bp

Locus ID: 4150

UniProt ID: [P56270](#)

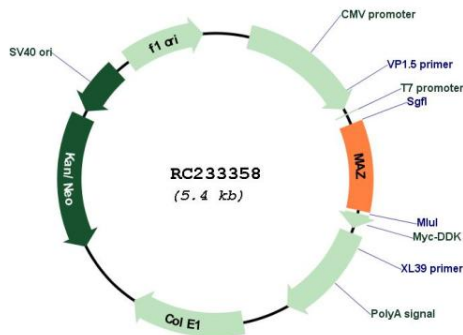
Cytogenetics: 16p11.2

Protein Families: Transcription Factors

MW: 18.2 kDa

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 RC233358