

Product datasheet for **RC234151**

MAZ (NM_001276275) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAZ (NM_001276275) 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)



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ORF Nucleotide Sequence:

>RC234151 representing NM_001276275
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGATCCAGCAACTGGAGCAGCTTCATCTTCCAGGGTACGCCAGAACCCCTCGAGGTGCGGGCTG
 AGCTCCAGTCCCCTTCTTTGCCTCCCAGGGCTGCGCCAGAGTCCATTCCAGGCCGCGCCGGCCGCC
 GCCACGCCCCAGGCCCGGGCGCCGAGCCCTCCAGGTGGACTTCTCCGGTGTCTGCGCCGCCAG
 GAGTCCGCGCGGCTGCTGCGGCCGCTGCCGCCGCTGCTGCCGCCGTCGCTGCCGCGCCCCGGCCCTG
 CCGCCGCTCTACGGTGGACACAGCGCCCTGAAGCAGCCTCCGGCGCCCCCTCCGCCACCCCGCCAGT
 GTCGGCGCCCGGCCGAGGCCGCGCCCCCGCTCCGCCGCACTATCGCCGCGCGCGGCCACCGCC
 GTCGTAGCCCCAACCTCGACGGTGCCTGGCCCCGGTCCGCTGCCTTGAGAGAAGAAGACAAAGAGCA
 AGGGGCCCTACATCTGCGCTCTGTGCGCAAGGAGTCAAGAACGGCTACAATCTCCGGAGGCACGAAGC
 CATCCACACGGGAGCCAAGGCCGCGGGTCCCCTCGGGTGTATGAAGATGCCGACCATGTTGCCCTG
 AGCCTCCTGAGCGTGCCTCAGCTGAGCGGAGCCGCGGGGGAGGGGGAGAGGCCGGTGCCTGCGCGCG
 CTGCCGAGTGGCCGCCGGTGGCGTGGTACCACGACCGCCTCGGGGAAGCGCATCCGGAAGAACCATGC
 CTGCGAGATGTGTGGCAAGGCCTTCCGCGACGTCTACCACCTGAACCGACACAAGCTGTCGCACTCGGAC
 GAGAAGCCCTACCAGTGCCTGGTGTGCCAGCAGCGCTTCAAGCGCAAGGACCGCATGAGCTACCAGTGC
 GCTCACATGACGGCGCTGTGCACAAGCCCTACAAGTCTCCACTGTGGCAAGAGCTTCTCCCGGCCGA
 TCACCTCAACAGTCAGTCAGACAAGTGCCTCAACAGAACGGCCCTTCAAATGTGAGAAATGTGAGGCA
 GCTTTCGCCACGAAGGATCGGCTGCGGGCGCACACAGTACGACACGAGGAGAAAGTGCATGTACAGTGT
 GTGGCAAGATGCTGAGCTCGGCTTATATTCGGACCACATGAAGGTGCACAGCCAGGGTCCCTCACCATGT
 CTGTGAGCTCTGCAACAAGGTAAGTACTGGTGGTGTGCAATGGCGCGCGCAGCGCGAGCGCGCGCAGCG
 GCAGCAGCGCAGCAGTACGAGCCCTCCACAGCTGTGGGCTCCCTCTCGGGGGCGAGGGGGTGCCTG
 TGAGCTCTCAGCCACTCCCTCCCAACCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234151 representing NM_001276275
 Red=Cloning site Green=Tags(s)

MDPSNWSSFIFQGHANPLQVGAELQSRFFASQGCAQSPFQAAPAPPPTPQAPAAEPLQVDLLPVLAAAQ
 ESAAAAAAAAAAAAVAAAPPAPAAASTVDTAALKQPPAPPPPPVVSAPAAEAAPPASAATIAAAAAATA
 VVAPTSTVAVAPVASALEKKTGSKGYPICALCAKEFKNGYNLRRHEAIHTGAKAGRVPSGAMKMPMTMVPL
 SLLSVPQLSGAGGGGEAGAGGAAVAAGGVTTTASGKRIRKNHACEMCGKAFRDVYHLNRHKLSHSD
 EKPYPQCPVCQRFKRDMSYHVRSHDGAVHKPYNC SHCGKSF SRPDHLNSHVRQVHSTERPFKCEKCEA
 AFATKDRLRAHTVRHEEKVPCHVCGKMLSSAYISDHMKVHSQGPVHVCELCKNGTGEVCPMAAAAAAAAAA
 AAAAAVAAPPTAVGSLSGAEGVPVSSQPLPSQPW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_001276275

ORF Size: 1362 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_001276275.2](#)
RefSeq Size: 2374 bp

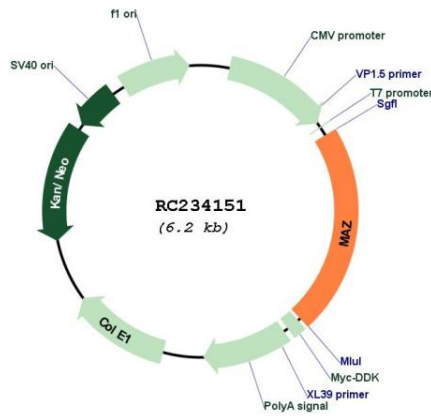
RefSeq ORF: 1365 bp

Locus ID: 4150

UniProt ID: [P56270](#)

Cytogenetics: 16p11.2
Protein Families: Transcription Factors
MW: 46.8 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 RC234151