

Product datasheet for **RR215672**

Maz (NM_001110319) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maz (NM_001110319) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maz
Synonyms:	Pur-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR215672 representing NM_001110319
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCCCGGTGTTTCCTTGACAGCTGCTGGCCCCCCTTCCCGTGCTGGGCCTGGACTCCCGGGGG
 TGGCGCGCCTCATGAACTCCTTCCCGCCACCTCAGGGTACGCCAGAACCCCTGCAGGTCGGGGCTGA
 GCTCCAGTCCCGCTTCTTTCCTCCAGGGCTGCGCCAGAGTCCATTCCAGGCCGCCAGCGCCCCCA
 CCCACGCCAGGCCCGCGGCCGAGCCCTCCAAGTGGACTTCTCCCGGTTCTCGCCGCCGCGCAAG
 AATCAGCCGACGGCTGCAGCTGCTGCGGCTGCTGCCGTGCAGTGGTTACTGCACCCCGGCCCTGC
 TGCCGCTCCACAGTGGACACAGCGGCCCTGAAGCAGCCTCCGGCGCTCCTCCACCACCCCTGCCGTA
 TCCGCACCAGCCGCGAGGCCGCCCGCCCGCGGCTGCCACTATCGCCGACGCGGTGCCACCCTG
 TTGTCGCCCAACCTCGACGGTCTGTGGCCCCGTTGCATCTGTCTTGAGAAGAAGACAAAGAGCAA
 GGGGCCCTACATTTGCGCTTTGTGCGCAAGGAGTTCAAGAACGGCTACAACCTCCGAAGGCACGAAGCC
 ATCCACACAGGAGCAAGGCTGGCCGGTCCCCTCGGGTCTATGAAGATGCCACGATGGTGCCCTGA
 GCCTTTGAGCGTCCCCAGCTGAGCGGGCCAGCGGGGTGGGGGAGAAGCCGGGGCTGGCGGGCCAC
 GGCCGGTGGCGGTGGTGGTGTGTGACCAGACTGCCTCTGAAAGCGCATCCGGAAGAATCACGCC
 TGTGAGATGTGCGGAAGGCCTTCCGCGAGCTCTACCCTGAACCGACATAAGCTGTGCGATTCCGACG
 AGAAGCCCTACCAGTGCCTGTGTGCCAGCAGCGCTTCAAGCGCAAGGACCGCATGAGTTACCACGTGCG
 CTCACATGACGGCGTGTGCACAAGCCCTACAAGTCTCCACTGTGGCAAGAGCTTCTCCCGCCGGAT
 CACCTCAACAGTACGTGACACAAGTGCCTCTACAGAGCGGCCCTTCAAATGTGAGAAATGTGAGCGAG
 CTTTTGCTACGAAGGATCGACTCCGAGCGCACACAGTACGACGAGGAGAAGGTGCCATGTCATGTGTG
 TGGCAAGATGCTGAGCTCAGCTTATTTTCGGACCACATGAAGGTGCACAGCCAGGGCCCTCACCATGTC
 TGTGAGCTCTGCAACAAAGGTAAGTGTGAGTTTGTCCAATGGCAGCGGACGAGCAGCAGCAGCAGCGG
 CAGCAGCAGCAGTGGTGGCAGCCCTCCACAGCTGTGGGCACCTCTCTGGGCAGAGGGGTACCAGT
 GAGCTCTCAGCCACTTCCCTCCCAACCCTGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215672 representing NM_001110319
 Red=Cloning site Green=Tags(s)

MFPVFPCTLLAPFPVVLGLDSRGVGLMNSFPPQGHQNPQLQVGAELQSRFFASQGCAQSPFQAAPAPP
 PTPQAPAAEPLQVDLLPVLAAAQESAAAAAAAAAAAAVVTAAPPAPAAASTVDTAALKQPPAPPPPPAV
 SAPAAEAAPPAAAAATIAAAAATAVVAPTSTVAVAPVASVLEKTKSKGPYICALCAKEFKNGYNLRRHEA
 IHTGAKAGRVPSGAMKPTMVPLSLLSVPQLSGASGGGGEAGAGGTAAVAAGGVVTTTASGKRIRKNHA
 CEMCGKAFRDVYHLNRHKLSHSDEKPYQCPVCQQRFRKRDMSYHVRSHDGAVHKPYNCSHCGKSF SRPD
 HLNSHVRQVHSTERPFKCEKCEAAFATKDRLRAHTVRHEEKVPCHVCGKMLSSAYISDHMKVHSQGP HHV
 CELCNKGTGEVCPMAAAAAAAAAAAAAVVAAAPPTAVGTL SGAEGVPVSSQPLPSQPW

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001110319

ORF Size: 1431 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_001110319.1](#), [NP_001103789.1](#)
RefSeq Size: 1434 bp

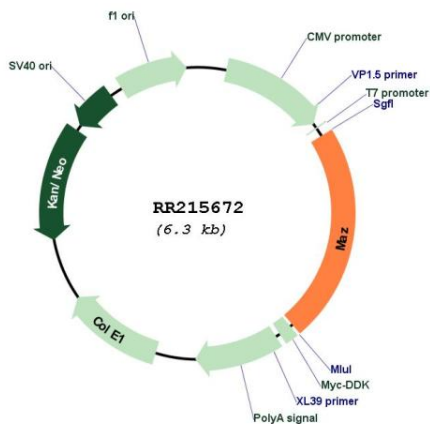
RefSeq ORF: 1434 bp

Locus ID: 691842

Cytogenetics: 1q37

MW: 48.8 kDa

Product images:



Circular map for RR215672