

Product datasheet for **RR209464**

Maf (NM_019318) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maf (NM_019318) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Maf
Synonyms:	cMaf; Maf2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR209464 representing NM_019318 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCAGAAGTGGCAATGAACAATCCGACCTGCCACCAGTCCCCTGGCCATGGAATATGTTAATG
ACTTCGATCTGATGAAGTTTGAAGTAAAAAGGAACCGGTGGAGACCGACCGCATCATCAGCCAGTGC
CCGTCTCATCGCCGGGGCTCGCTGTCTCCACCCCATGAGCACGCCCTGCAGCTCGGTGCCCGCTCC
CCCAGCTTCTCGGCGCCAGCCCGCCTCGGGCAGCGAACAGAAGGCGCACCTGGAAGACTACTACTGGA
TGACCGGCTACCCGAGCAGCTCAACCCGAGGCGCTGGGCTTACGCCCGGAGGACGAGTGCAGGCGCT
CATCAGCAATAGCCACCAGCTCCAGGGTGGCTTCGATGGCTATGCGCGGGGCGCGCAGCAGCTGGCCGCG
GCAGCGGGGGCCGGCGCCGGCGCCTCCCTGGGCGGAGCGGCGAGGAGATGGGCCCGCCCGCCCGCTGG
TGTCCGCCGTGATCGCCGCGCCCGCGCAGAGCGGGCGGACCTCACTACCATCACCACCACCACCA
CGCCACGGGGCACCACCACCACCCGACGGCCGGCGCCCGGGAGCCGCGGGTAGCGCGTCCGCCTTGC
AGCGGCGGGGTGGCGGGGGCGGCGGTGGCCCGGCGAGCGCCGGGGGGCGGCGGGCGGGCGGGGG
GCACGGCGGGGGCGGGGGCGCCTGCACCCGACCATGCCGCGGAGGCGCTGCACTTCGACGACCGCTT
CTCGGACGAGCAGTTGGTGACCATGTGGTGCGTGAGCTGAACCGGAGCTGCAGCGGGTGCAGAAAGG
GAGGTGATCCGACTGAAGCAGAAGAGGCGGACCTGAAAAACCGGCTATGCCAGTCTGCCGTTCA
AGAGGGTGCAGCAGAGACAGTCTCGAGTGGAGTCGGAGAAAGAACAGCTGCTGCAGCAGTGCACACCTCA
GCAGGAGATCTCAGGCTGGTGCAGGAAAGGACGCTACAAGGAGAAATACGAGAAGTTGGTGAGCAGC
GGGTTCCGAGAAAAGTCTCGAGCAGCACAACCTTCTCTCCCGAATTTTTCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RR209464 representing NM_019318
Red=Cloning site Green=Tags(s)

MASELAMNNSDLPTSPLAMEYVNDFDLMKFEVKKEPVETDRIISQCGRLIAGGSLSSTPMSTPCSSVPPS
 PSFSAPSPASGSEQKAHLEDYYWMTGYPPQLNPEALGFSPEDAVALISNSHLQGGFDGYARGAQLAA
 AAGAGAGASLGGSGEEMGPAAAVVSAVIAAAAAQSGGAPHYHHHHHHHATGHHHHPTAGAPGAAGSASASA
 SGAGGAGGGGPASAGGGGGGGGTAGAGGALHPHHAAGLHFDDRFSDEQLVTMSVRELNRQLRGVSKE
 EVIRLQKRRRLKNRGYAQSCRFRKRVQQRHVLESEKNQLLQQVDHLKQEI SRLVRERDAYKEKYEKLVSS
 GFRENCSSSDNPSSPEFFM

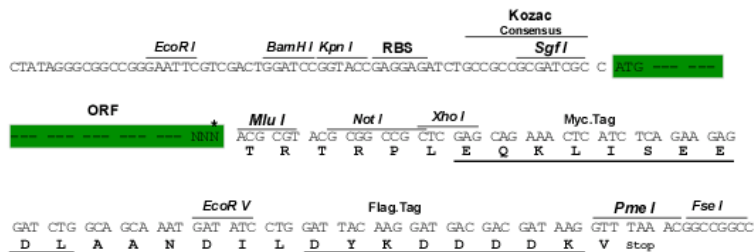
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019318

ORF Size: 1107 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_019318.1](#), [NP_062191.1](#)

RefSeq Size: 1944 bp

RefSeq ORF: 1110 bp

Locus ID: 54267

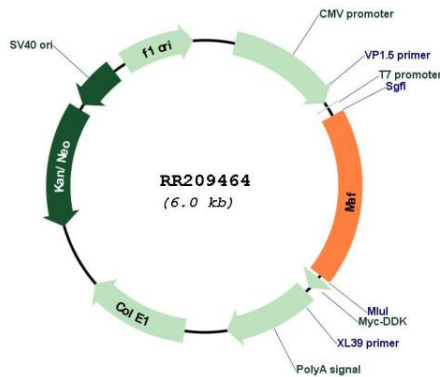
UniProt ID: [P54844](#)

Cytogenetics: 19q12

MW: 38.5 kDa

Gene Summary: transcription factor containing a bZip DNA binding domain; may play a role in morphogenic processes and cellular differentiation [RGD, Feb 2006]

Product images:



Circular map for RR209464