

Product datasheet for MC208090

Mafa (NM_194350) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mafa (NM_194350) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mafa
Synonyms:	RIPE3b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208090 representing NM_194350 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCGGAGCTGGCGATGGGCGCAGAGCTGCCAGCAGCCACTGGCCATCGAGTACGTCAACGACT
TCGACCTGATGAAGTTCGAGGTGAAGAAGGAGCCGCCGAGGCGAGCGTTCTGCCACCGCTGCCGCC
CGGCTCGTGTCTCGACGCCCTCAGCACGCCCTGCTCCTCGGTGCCCTCTCGCCAGCTTCTGCGCA
CCCAGCCCGGGCACAGGGCGGCGGCGGGCGGGGCGAGCGCGCTCAGGCCGGGGCGCCCCGGGG
CGCCGAGTGGAGCCCCGGCACTGTCGGGGCGCCTCAGGAAAAGCGGTGCTGGAGGATCTGTACTGGAT
GAGCGGGTACCAGCACCTGAACCCGAGGCGCTCAACCTGACGCCGAGGACGCGGTGGAGGCGCTC
ATCGGCAGCGGCCACCACGGCGCACCACGGCGCGCATCACCCGGCGGCTGCTGCGGCCTATGAGGCT
TCCGGGGTTCAGAGCTTCGCGGGCGGCGGCGGCGGACGACATGGGTGCCGGCCACCACCACGGCGCACA
CCACACTGCCACCATCATCACTCTGCCACCATCACCATCACCACCATCACCACCACGGAGGCTTGGC
CACCACGGCGGAGGCGGGTACGCGGAGGCGGCGCAGGCCACCACGTGCGCTTGGAGGAGCGCTTCT
CCGACGACCAGCTGGTATCCATGTCCGTGCGGGAGCTGAACCGGAGCTCCGCGGCTTTCAGCAAGGAGGA
GGTCATCCGACTGAAACAGAAGCGGCGCACGCTCAAGAACCAGGCTACGCGCAGTCTGCGGCTTCAAG
CGGGTGCAGCAGCGGCACATTCTGGAGAGCGAGAAGTCCAGCTCCAGAGCCAGGTGGAGCAGCTGAAGC
TGGAGGTGGGGCGTCTGGCCAAGGAGCGGGACCTGTACAAGGAGAAATACGAGAAGTTGGCGGGCGGGG
CGGCCCGGGGGCGGGCGGGGCGGGCTTCCCTCGGGAGCCCTCGCCAGCGCAGGCTGGCCCCGGGGCG
GCCAAAGGCGCACCCGACTTCTTTCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_194350
Insert Size:	1080 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_194350.1</u> , <u>NP_919331.1</u>
RefSeq Size:	1080 bp
RefSeq ORF:	1080 bp
Locus ID:	378435
UniProt ID:	<u>Q8CF90</u>
Cytogenetics:	15 D3
Gene Summary:	Transcriptional factor that activates insulin gene expression (PubMed:12368292, PubMed:15665000). Acts synergistically with NEUROD1/BETA2 and PDX1 (PubMed:15665000). Binds the insulin enhancer C1/RIPE3b element (PubMed:12917329, PubMed:14680841, PubMed:14973194, PubMed:15665000). Binds to consensus TRE-type MARE 5'-TGCTGACTCAGCA-3' DNA sequence (By similarity).[UniProtKB/Swiss-Prot Function]