

Product datasheet for **RN216851**

Maoa (NM_033653) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maoa (NM_033653) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Maoa
Synonyms:	Mao
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN216851 representing NM_033653
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACGGATCTGGAGAAGCCCAATCTCGCAGGCCACATGTTTCGACGTAGTCGTGATTGGAGCGGCATCT
CAGGATTGGCTGCTGCCAACTGTTGTCTGAATACAAAATTAATGTCTTGGTTTTGGAAGCCCGGATAG
AGTTGGAGGAAGAACATATACTGTGAGGAATGAGCATGTCAAATGGGTAGATGTTGGTGGAGCCTATGTG
GGACCAACCCAGAACAGAATCTTACGCTTGTCTAAGGAGCTAGGCATAGAGACCTATAAAGTGAATGTCA
ATGAGCGTCTAGTTCAATATGTCAAGGGGAAAACCTACCATTCCGTGGTGCATTCCCACCTGTGTGGAA
CCCCTTGGCATATTTGGATTACAACAACCTATGGAGAACAATGGATGAAATGGGAAAAGAGATCCCCGT
GATGCACCGTGGCAAGCAAGACACGCTCAGGAATGGGACAAGATGACCATGAAAGATCTCATTGATAAAA
TCTGTTGGACAAAACCTGCTCGGAATTTGCGTATCTTTTTGTGAACATTAATGTGACTTCTGAGCCTCA
TGAGGTATCTGCCCTGTGGTTCTGTGGTATGTGAGGCAGTGTGGGGCAGTCTCGGATATTCTCAGTT
ACCAATGGCGGCCAGGAACGGAAATTTGTAGGTGGATCTGGCCAAGTAAGTGAACAGATAATGGGTCTCC
TTGGAGATAAAGTGAAGCTGAGCTCTCCTGTTACTTATATTGACCAAAACAGATGACAACATCATTGTAGA
AACACTGAATCATGAACACTATGAGTGCAAATACGTAATTAGTGCCATCCACCGATTTTACTGCTGCAAG
ATCCACTTTAAACCAGAGCTTCCACCTGAGAGAAAACCAATTAATTCAGCGTCTTCCAATGGGGCTGTTA
TCAAGTGCATGGTGTATTACAAGGAAGCCTTCTGGAAGAAAAAGGACTATTGTGGCTGCATGATCATTGA
AGATGAGGAGGCTCCAATCGCCATCACTCTGGATGACACTAAACCAGATGGGTCACTGCCTGCCATCATG
GGCTTCATACTTGCCCGAAAGCTGATCGACTTGCTAAACTACATAAAGACATAAGGAAGAGGAAAATCT
GTGAGCTGTATGCCAAAGTTCTGGGATCTCAAGAAGCATTATATCCAGTCCATTATGAAGAGAAGAACTG
GTGTGAGGAGCAGTACTCCGGGGCTGCTACACAGCCTACTTCCCTCCTGGTATCATGACCCAGTATGGA
AGGGTGATTCCGCCAGCCAGTAGGTAGGATTTACTTTGCAGGCACAGAGACAGCAACACAGTGGAGTGGCT
ACATGGAAGGAGCAGTTGAAGCTGGAGAACGAGCAGCTAGAGAGGTGTTGAATGCTCTAGGAAAAGTCGC
GAAGAAGGATATATGGGTTGAAGAACCCGAGTCCAAGGATGTTCCAGCCATTGAAATTACCCACACCTTC
TTAGAGAGGAACCTGCCTTCCGTGCCTGGTCTGCTCAAGATCACTGGTGTTCCTTCTGTGGCTCTTC
TCTGCTTTGTATTGTACAAGATTAAGAAGCTCCCATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3369_a04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_033653

Insert Size: 1581 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_033653.1, NP_387502.1</u>
RefSeq Size:	2083 bp
RefSeq ORF:	1581 bp
Locus ID:	29253
Cytogenetics:	Xq11
Gene Summary:	enzyme involved in the oxidative deamination of biogenic and xenobiotic amines [RGD, Feb 2006]