

Product datasheet for **MC204069**

Maoa (NM_173740) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maoa (NM_173740) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Maoa
Synonyms:	1110061B18Rik; AA407771
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC029100
 TTTTACCCAAACCATGACGGATCTGGAGAAGCCCAGTATCACAGGCCACATGTTTCGACGTAGTCGTGATT
 GGAGGCGGCATCTCAGGATTGGCTGCTGCCAACTATTGTGAGAATACAAAATTAATGTCTTGGTTCTGG
 AAGCCCGGATAGAGTTGGAGGAAGAACATATACTGTGAGGAATGAGCATGTTAAATGGGTAGATGTTGG
 TGGAGCTTATGTGGGACCAACCCAGAACAGAATCTTACGTTGTCTAAGGATCTAGGCATAGAGACCTAT
 AAAGTGAATGTCAATGAGCGTCTAGTTCAATATGTCAAGGGGAAAACCTACCCATTCCGTGGTGCATTTT
 CACCTGTGTGGAACCCCTTGGCATATTTGGATTACAACAACCTGTGGAGGACAATGGATGATATGGGAAA
 AGAGATCCCTGTTGATGCACCATGGCAAGCAAGACATGCTGAGGAATGGGACAAGATAACCATGAAAGAT
 CTCATTGATAAAATCTGTTGGACAAAACCTGCTCGAGAATTTGCTTATCTTTTTGTGAACATTAATGTGA
 CTTCTGAGCCTCATGAGGTATCTGCCCTGTGGTCTTGTGGTATGTGAGGCAGTGTGGAGGTACCTCTCG
 GATATTCTCAGTCACCAATGGCGGCCAGGAACGGAAATTTGTAGGTGGCTCTGGCCAAAATAGTGAACAG
 ATAATGGTCTCCTTGGGATAAAGTGAAGCTGAGCTCTCCTGTTACTTATATTGACCAAACAGATGACA
 ACATCATTATAGAAACACTGAATCATGAGCACTATGAGTGCAAATATGTAATTAGTGCCATCCCACCGGT
 TTTGACTGCCAAGATCCACTTTAAACCAGAGCTTCCACCTGAGAGAAAACCAATTAATTCAGCGTCTTCCA
 ATGGGGGCTGTCAAGTGCATGGTGTATTACAAGGAAGCCTTCTGGAAGAAAAAGGACTATTGTGGCT
 GCATGATAAATGAAGATGAGGAGCTCCAATTTCAATCACTCTGGATGACACTAAACCAGATGGGTCAAT
 GCCTGCCATCATGGGCTTCATACTTGCCCGGAAAGCTGAACGACTTGCTAAACTACATAAAGACATAAGG
 AAGAGGAAAACTGTGAGCTGTATGCCAAAGTTCTGGGATCTCAAGAAGCTTTATCTCCCGTCCATTATG
 AAGAGAAGAACTGGTGTGAGGAGCAGTACTCCGGGGGCTGCTACACAGCCTACTTCCCTCCTGGTATCAT
 GACTCTGTATGGAAGGGTGATTCGGCAGCCAGTAGGCAGGATTTACTTTGCAGGCACAGAGACAGCAACA
 CAGTGGAGTGGCTACATGGAAGGTGCAGTTGAAGCTGGAGAACGAGCAGCTAGAGAGGTCTTGAATGCTC
 TAGGAAAAGTTGCCAAGAAGGATATATGGGTTCAAGAGCCTGAGTCCAAGGATGTTCCAGCTCTTGAAT
 TACCCACACCTTCTTAGAGAGGAACCTGCCTTCCGTGCCTGCTGCTCAAGATCACTGGTTTTTCCACT
 TCTGTGGCTCTTCTGCTTTGTATTGTACAAGTTTAAACAGCCCCAGTCTGAAGTTTTTACCCACAGG
 CCTCCTGCTTGATCATCCTTAGCACAATGAGCATGTAAGGAAAGTGAGGATGAATTACAGCCTGTGGTT
 TGGGCAATTTAAGTGCACCTTGATTTAACCTGCTCAGTTTAAATTCAGTCTTTGTAAGTGGTAACAGTC
 CAAAGAATCACCTAGCTAATTTCCATAAGAATGAGTTTCATCTTGTGTTAGACTAATTTGTGTTGGTT
 GATAGAATAAAATGTTGAGTGCTAATTTCAAAAAGTTAAGTGCTTATGAGGAATAATTTCTGGATTCTG
 TTTTTTTTTTCTTTGCCTTAATGCAAAACAGCTAATGGTTTCAGAAAATAAAATAACTTGACTTACTG
 TGAIAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_173740

Insert Size: 1581 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:

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: [BC029100](#), [AAH29100](#)

RefSeq Size: 1977 bp

RefSeq ORF: 1581 bp

Locus ID: 17161

UniProt ID: [Q64133](#)

Cytogenetics: X 11.78 cM

Gene Summary: Catalyzes the oxidative deamination of biogenic and xenobiotic amines and has important functions in the metabolism of neuroactive and vasoactive amines in the central nervous system and peripheral tissues. MAOA preferentially oxidizes biogenic amines such as 5-hydroxytryptamine (5-HT), norepinephrine and epinephrine (By similarity).[UniProtKB/Swiss-Prot Function]