

## Product datasheet for **MC217503**

### Maob (NM\_172778) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Maob (NM_172778) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Maob
Synonyms:	6330414K01Rik; MAO-B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217503 representing NM\_172778  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCAACAAAAGCGATGTGATCGTGGTGGGGGCGGCATCTCAGGTATGGCGGACGCCAACTTCTGC  
 ATGATTGTGGCCTCAGTGTGGTGGTTCTGGAAGCACGGGACCGTGTAGGAGGCAGGACTTACACAATTAG  
 GAATAAAAACGTTAAATATGTGGACCTTGAGGATCTTATGTTGGCCAACCCAGAAATCGTATCTTACGA  
 TTGGCCAAAGAGCTAGGATTGGAGACCTATAAAGTTAATGAAGTTGAGCGGCTGATACACTTTGTAAGG  
 GAAATCATATGCCTTCAGGGGCCATTCCACCAGTATGGAATCCTATCACCTACCTAGATAATAACAA  
 CCTCTGGAGGACAATGGATGAGATGGGCCAAGAGATTCCAGTGTGCTCCATGGAAAGCACCCCTTGCT  
 GAAGAGTGGGACTACATGACAATGAAAGAATTGCTAGATAAGATCTGCTGGACCAATCTACAAAGCAGA  
 TTGCCACGCTCTTTGTGAACCTGTGTAACTGCAGAGACCCATGAGGTCTCTGCACTATGGTTCCTGTG  
 GTATGTGAAGCAGTGTGGAGGTACAACCAGAATCATCTCAACAACCAATGGAGGACAGGAGAGGAAATTT  
 ATTGGTGGATCTGGTCAAGTGAAGTGAACGGATAAAGGATATACTTGGGGACCGAGTGAAGCTGGAGAGGC  
 CTGTGATCCACATTGACCAGACAGGGGAAAATGTTATTGTGAAAACCTAAACCATGAAATATATGAGGC  
 TAAATATGTGATTAGTGCCATTCCACCTGCTTTGGGCATGAAGATTCACTATAGTCCCTCTGCCCATG  
 CTAAGAAACCAGCTGATCTCTCGTGTGCCTTTGGGTTCAAGTTAATAATGCATGGTTTATTACAAAGAGC  
 CCTTCTGGAGGAAAAAGGATTTCTGTGGAACCATGGTTATCGAAGGAGAGGAAGCTCCAATTGCATACAC  
 ATTGGATGATACCAAACAGATGGCACCTATGCTGCTATAATGGGATTTATCCTTGCTCACAAAGCTAGA  
 AAATGGTACGTCTACCAAAGAAGAAAGACTGAGGAACTTTGTGAGCTATATGCAAAAAGTGTGAAT  
 CCCAAGAAGCTCTGCAGCCCGTCCATTATGAAGAGAAGAACTGGTGTGAGGAACAGTATTCTGGGGCTG  
 CTACACAACCTACTTCCCTCCCGCATCTTGACCCAGTATGGAAGGGTTCTACGTCAGCCAGTGGGCAAG  
 ATTTTCTTTGCAGGCACTGAAACAGCCTCACACTGGAGCGGCTACATGGAGGGGGCTGTGGAGGCTGGGG  
 AGAGAGCAGCCAGAGAGATTCTTCATGCCATTGGGAAGATTCCAGAAGATGAAATTTGGCAGCCAGAACC  
 AGAATCTTTGGATGTCCCTGCACGACCCATTACCAGTACCTTCTGGAGAGACACCTGCCTTCTGTACCA  
 GGCCTGCTAAAGCTGTTTGGATTGACCACCATCTGTGAGCAACAGCTCTTGGTTTCTGGCCACAAAA  
 GGGGCTGTTTGTACATTTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_172778

**Insert Size:** 1563 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:** [NM\\_172778.2](#), [NP\\_766366.2](#)

**RefSeq Size:** 2428 bp

**RefSeq ORF:** 1563 bp

**Locus ID:** 109731

**UniProt ID:** [Q8BW75](#)

**Cytogenetics:** X 11.88 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. MAOB preferentially degrades benzylamine and phenylethylamine (By similarity).[UniProtKB/Swiss-Prot Function]