

Product datasheet for **RN202532**

Maob (NM_013198) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Maob (NM_013198) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Maob
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202532 representing NM_013198
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCAACAAATGCGATGTGATCGTGGTGGGGGCGGCATCTCAGGTATGCGAGCAGCCAACTTTTGC
 ATGACTGTGGCCTCAGTGTGGTGGTTCTGGAAGCACGAGACTGTGTGGGAGGCAGGACTTACACAATTAG
 GAATAAAAATGTTAAATATGTGGACCTTGAGGATCTTATGTTGGGCCGACCCAGAAATCGTATCTTACGA
 TTGGCCAAAGAGCTAGGATTGGAGACCTATAAAGTGAATGAAGTTGAGCGGCTGATCCACTTTGTAAAGG
 GAAAATCATATGCCTTCAGGGGCCATTCCACCAGTGTGGAATCCAATCACTTACCTAGATTATAACAA
 CCTCTGGAGAACAATGGATGAGATGGGCCAAGAGATTCCAGTGTGCTCCATGGAAGGCACCCCTTGCT
 GAAGAGTGGGACTACATGACAATGAAAGAGTTGCTAGATAAGATCTGCTGGACCAACTCTACAAAGCAGA
 TTGCCACACTCTTTGTGAACCTATGTGTAAGTGGGAGACCCATGAGTTTCTGCACTGTGGTTCCTGTG
 GTATGTGAAGCAGTGTGGGGTACAACCCAGAATCATATCAACAACCAATGGAGGACAGGAGAGGAAATTT
 ATTGGTGGATCTGGTCAAGTGAAGTGAAGCGGATAAAGGATATCCTTGGGGCAGAGTGAAGCTGGAGAGGC
 CGGTGATCCACATTGACCAGACAGGAGAAAATGTTGTTGTGAAAACCTAAACCATGAAATATATGAGGC
 TAAATATGTGATTAGTGCATCCACCTGTTTTGGGCATGAAGATTACCATAGTCCCTCCTGCCCATT
 CTAAGAAACCAGCTGATTACTCGTGTGCCTTTGGGTTCAAGTTAATGAAGTGCATGGTTTATTATAAAGAAC
 CCTTCTGGAGGAAAAAGGATTTCTGTGGAACCATGGTTATTGAAGGAGAGGAAAGCTCCAATTGCGTACAC
 AATGGATGATACCAAGCCAGATGCAGGCTGTGCTGCTAATGGGATTTATCCTTGCTCACAAAGCTAGA
 AAATGGTACGCCTTACTAAGAAGAAAGACTGAGGAAGCTCTGTGAGCTATACGCGAAAGTTCTGAAGT
 CTCAAGAAGCTCTGCAGCCAGTCCATTATGAAGAGAAGAACTGGTGTGAGGAGCAGTACTCCGGGGGCTG
 CTACACAGCCTACTTCCCTCCTGGCATCTTGACCCAGTATGGAAGGGTTCTACGCCAGCCAGTGGGCAAG
 ATTTTCTTTCAGGCACCGAGACAGCTTACATTGGAGTGGCTACATGGAGGGGGCTGTAGAGGCTGGAG
 AGAGAGCTGCCAGAGAGATTCTCATGCCATTGGGAAGATTCCAGAGGATGAAATTTGGCAGCCAGAACC
 AGAATCTGTGGATGTCCCAGCAAGACCCATTACCAACACCTTCTGGAGAGACACTTGCCTTCTGTACCA
 GGTCTACTAAAGCTGCTTGATTGACCACCATCTGTGAGCAACAGCTCTTGGTTTCTGGCCACAAAA
 AGGGTCTGTTGTACGTTTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_013198
- 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_013198.1](#), [NP_037330.1](#)

RefSeq Size: 2389 bp

RefSeq ORF: 1563 bp

Locus ID: 25750

UniProt ID: [P19643](#)

Cytogenetics: Xq11

Gene Summary: major neurotransmitter-degrading enzyme in the CNS; degrades biogenic monoamines in the brain [RGD, Feb 2006]