

Product datasheet for **RR202532**

Maob (NM_013198) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR202532 representing NM_013198
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAACAAATGCGATGTGATCGTGGTGGGGGCGGCATCTCAGGTATGCGAGCAGCCAACTTTTGC
 ATGACTGTGGCCTCAGTGTGGTGGTTCTGGAAGCACGAGACTGTGTGGGAGGCAGGACTTACACAATTAG
 GAATAAAAATGTTAAATATGTGGACCTTGAGGATCTTATGTTGGGCCGACCCAGAAATCGTATCTTACGA
 TTGGCCAAAGAGCTAGGATTGGAGACCTATAAAGTGAATGAAGTTGAGCGGCTGATCCACTTTGTAAGG
 GAAAATCATATGCCTTCAGGGGCCATTCCCACAGTGTGGAATCCAATCACTTACCTAGATTATAACAA
 CCTCTGGAGAACAATGGATGAGATGGGCCAAGAGATTCCCAGTGTGCTCCATGGAAGGCACCCCTTGCT
 GAAGAGTGGGACTACATGACAATGAAAGAGTTGCTAGATAAGATCTGCTGGACCAACTCTACAAAGCAGA
 TTGCCACACTCTTTGTAACCTATGTGTAAGTGGGAGACCCATGAGTTTCTGCACTGTGGTTCCTGTG
 GTATGTGAAGCAGTGTGGGGTACAACCAAGATCATATCAACAACCAATGGAGGACAGGAGAGGAAATTT
 ATTGGTGGATCTGGTCAAGTGTGAGCGGATAAAGGATATCCTTGGGGCAGAGTGAAGCTGGAGAGGC
 CGGTGATCCACATTGACCAGACAGGAGAAAATGTTGTTGTGAAAACCTAAACCATGAAATATATGAGGC
 TAAATATGTGATTAGTGCATCCCACCTGTTTTGGGCATGAAGATTACCATAGTCTCCTCTGCCATT
 CTAAGAAACCAGCTGATTACTCGTGTGCCTTTGGGTTCAAGTTAATGAAGTGCATGGTTTATTATAAAGAAC
 CCTTCTGGAGGAAAAAGGATTTCTGTGGAACCATGGTTATTGAAGGAGAGGAAAGCTCCAATTGCGTACAC
 ATTGGATGATACCAAGCCAGATGCAGGCTGTGCTGCTAATGGGATTTATCCTTGCTCACAAAGCTAGA
 AAATGGTACGCCTTACTAAAGAAGAAAGACTGAGGAAGCTCTGTGAGCTATACGCGAAAGTTCTGAAGT
 CTCAAGAAGCTCTGCAGCCAGTCCATTATGAAGAGAAGAACTGGTGTGAGGAGCAGTACTCCGGGGGCTG
 CTACACAGCCTACTTCCCTCCTGGCATCTTGACCCAGTATGGAAGGGTTCTACGCCAGCCAGTGGGCAAG
 ATTTTCTTTCAGGCACCGAGACAGCTTACATTGGAGTGGCTACATGGAGGGGGCTGTAGAGGCTGGAG
 AGAGAGCTGCCAGAGAGATTCTTCATGCCATTGGGAAGATTCCAGAGGATGAAATTTGGCAGCCAGAACC
 AGAATCTGTGGATGTCCCAGCAAGACCCATTACCAACACCTTCTGGAGAGACACTTGCCTTCTGTACCA
 GGTCTACTAAAGCTGCTTGGATTGACCACCATCTGTGACCAACAGCTCTTGGTTTCTGGCCACAAAA
 AGGGTCTGTTGTACGTTTCAGGGTCTGTTGTACGTTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202532 representing NM_013198
 Red=Cloning site Green=Tags(s)

MSNKCDVIVVGGGISGMAAAKLLHDCGLSVVLEARDCVGGRTYIIRNKNVKYVDLGGSYVGPQNRILR
 LAKELGLETYKVNEVERLIHFVKGKSYAFRGPFPVWNPITYLDYNNLWRTMDEMGEIPSDAPWKAPLA
 EEWDYMTMKELLDKICWTNSTKQIATL FVNLCVTAETHEVSALWFLWYVKQCGGTTRIIISTNNGQERKF
 IGGSGQVSEIKDILGDRVKLERPVIHIDQTGENVVVKTLNHEIYEAKYVISAIPPVLGMKIHHSPLPI
 LRNQLITRVPLGSVIKCMVYKPEFWRKDFCGTMVIEGEEAPIAYTLDDTKPDAGCAAIMGFILAHKAR
 KLVRLTKEERLRKLCELYAKVLNSQEALQPVHYEEKNWCEEQYSGGCTAYFPPGILTQYGRVLRQPVGK
 IFFAGTETASHWSGYMEGAVEAGERAAAREILHAIGKIPEDIWQPEPESVDVPARPITNTFLERHLPVSP
 GLLKLLGLTTILSATALGFLAHKKGLFVRFVCLVY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1507_e07.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_013198

ORF Size: 1560 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 Size: 2389 bp

RefSeq ORF: 1563 bp

Locus ID: 25750

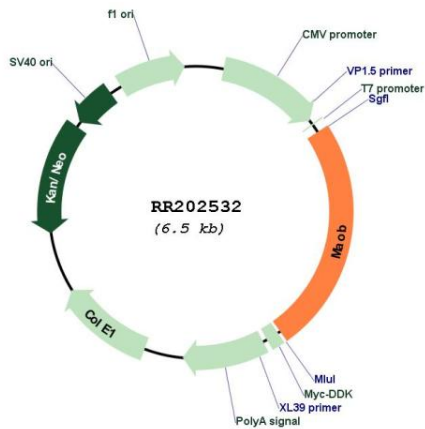
UniProt ID: [P19643](#)

Cytogenetics: Xq11

MW: 58.4 kDa

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

Product images:



Circular map for RR202532