

Product datasheet for **MC216787**

Cyp2a12 (NM_133657) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2a12 (NM_133657) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2a12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216787 representing NM_133657
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGGCTCAGGGCTGCTCCTCTAGCCATTCTGGCCTTCTGAGTGTGATGGTCTTGGTGTCTGTCT
 GGCAGCAGAAAATCAGGGGGAAGTTGCCCCAGGACCCATTCTTTGCCCTTTCATTGGAAAATTACCTGCA
 ACTGAATAGAAAAGATGTATACAGCTCCATCACACAGCTCCAAGAGCACTATGGCCCTGTGTTCACCATC
 CACCTTGGGCCTCGCCGGTTGTGGTGCTTTATGGATACGATGCAGTCAAAGAGGCTTTGGTGGACCACG
 CTGAGGAGTTCAGTGGACGAGGCGAACAGGCCACCTTTAATACACTCTTCAAAGGCTATGGTGTGGCATT
 CAGCAATGGGGAACGAGCCAAACAACACTCAGACGCTTCTCTATAGCCACACTGAGAGATTCGGCATGGGC
 AAGCGAGTGTGGAGGAGCGCATCCAGGAGGAGGAGGCTGTTTGTATCAAGATGTTGCAGGGCACTGTG
 GAGCCCCATTGACCCACCATCTACCTGAGCAAAACAGCCTCCAATGTCATTAGCTCCATTGTCTTCGG
 CGACCGCTTCAACTATGAGGACAAGAGTTCTCTGCTACTGCTGCAGATGATGGGTCAAGTGAACAAATTT
 GCTGCTTCACCCACAGGGCAGCTCTATGACATGTTCCATTCAAGTATGAAGTACCTGCCCGACCACAGC
 AACAGATCATCAAGGATTCTCATAAACTGGAAGACTTCATGATACAGAAAAGTGAAGCAGAACCAGAGTAC
 CCTGGACCCCAATTCACACGAGACTTCATTGACTCCTTTCTCATCCACATGCAAAAAGGAGAAAATATGTT
 AATTCAAGATTTACATGAAGAACCTAGTGATGACATCATTGAACCTCTTCTTTGCTGGGTCTGAGACAG
 TCAGCTCCACACTACGATATGGCTTCTGCTACTAATGAAGCATCCAGATGTAGAGGCCAAGGTCCATGA
 GGAGATTGACCGAGTGATTGGCAGGAACCGACAGCCCCAATATGAGGACCATATGAAGATGCCCTACACC
 CAGGCTGTGATCAATGAGATCCAGAGATTTTCTAACTTTGCTCCCTTGGGCATTCTCGAAGGATTACCA
 AGGATACTTCTTCCGTGGCTTCTCTCCCAAGGGCACTGAAGTGTTCCTATACTGGGTTCTCTGAT
 GACAGACCCAAAAGTTCTTCTCTAGCCCCAAAGACTTCAACCCACAGCACTTCTGGATGACAAGGGACAG
 TTGAAGAAGATCCCTGCTTTTCTGCCCTTTTCCACTGGGAAGCGATTCTGCTTGGGAGACAGCCTGGCTA
 AGATGGAGCTGTTCTGTTCTTACCACCATCTTGCAAGAATTCCGTTTCAAGTCCCAAGGAACTAGA
 AGATATCAATGAGTCCCTACACCAGAGGGGTTTACCAGGATCATACCAAAGTACACCATGAGCTTCGTG
 CCCAT**TGA**

ACGGTACGCGGCCGCTCGAGCAGAAAACACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133657

Insert Size: 1479 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_133657.1](#), [NP_598418.1](#)

RefSeq Size: 1675 bp

RefSeq ORF: 1479 bp

Locus ID: 13085

UniProt ID: [P56593](#)

Cytogenetics: 7 A3

Gene Summary: Highly active in the 7-alpha-hydroxylation of testosterone.[UniProtKB/Swiss-Prot Function]