

Product datasheet for **RN203933**

Cyp11b2 (NM_012538) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp11b2 (NM_012538) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp11b2
Synonyms:	Cp45as; Cyp11b3; RNCP45AS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN203933 representing NM_012538
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAATGGCTCTCAGGGTGACAGCAGATGTGTGGCTGGCAAGACCCTGGCAGTGCCTGCACAGGACGA
 GGGCACTGGGCACTACGGCAACTGGCCCCAAGACTGAAGCCCTTTGAAGCCATACCACAATACTC
 CAGGAACAAGTGCTGAAGATGATACAGATCCTGAGGGAGCAGGGCCAAGAGAACCTACACCTGGAGATG
 CACCAGGCCTTCAGGAGCTGGGGCCATTTTCAGGCACAGTGCAGGGGAGCACAGATTGTGTCTGTGA
 TGCTGCCTGAGGACGCTGAGAAGCTGCACCAGGTGGAGAGTATCCTCCCGCTCGGATGCACCTGGAGCC
 GTGGGTGGCCACAGGAACTCCGTGGCCTGAGACGTGGTGTGTTCTTGCTAAATGGGGTGACTGGCGC
 TTCAACCGACTGAACTGAACCCAAACGTGCTGTACCAAAGCTGTTCAAATTTTGTCCCATGGTGG
 ACGAGGTAGCAAGGACTTCTTGAGGCCCTGAAAAGAAGGTGCGTCAGAATGCTCGAGGGAGCCTTAC
 CATGGATGTCAGCAAAGTCTTCAACTACACTATAGAAGCCAGCAACTTTCGACTTTTTGGAGAGAGG
 CTGGGCCTCCTTGGTCATGACCTGAACCTGGTAGCCTGAAGTTCATCCATGCCCTACATTCAATGTTCA
 AGTCCACCACACAGCTCCTGTTCTTACCAGAAGCTTGACTCGCTGGACAAGCACCCGGGTGGAAAGA
 ACATTTTGATGCCTGGGATGTCATCTCTGAGTATGCCAACAGATGTATCTGGAAGGTGCACCAGGAACTC
 AGACTCGGCAGCTCTCAGACCTACAGTGGCATTGTGGCAGCACTAATAACTCAGGGAGCTTTACCTCTGG
 ACGCCATCAAAGCCAACCTATGGAGCTCACTGCTGGGAGCGTTGACACGACAGCAATCCCTTGGTAAT
 GACCCTTTTTGAGCTGGCTCGGAACCCAGATGTTGAGCAGGCCCTGCGGCAGGAGACCCTGGCAGCTGAG
 GCCAGCATCGCTGCTAATCCCCAGAAGGCCATGTCAGACCTGCCCTTGTGCGGGCTGCCCTAAAGAGA
 CTTGAGACTCTACCCTGTTGGTGGCTTTTTGGAGAGAATCCTAAACTCAGACCTGGTGTCTCAGAATA
 TCATGTCCTGCTGGGAGTGGTCTACTTTATCTGTACTCCATGGGCCGAAACCCTGCAGTGTTCCCA
 AGACCTGAGCGCTATATGCCTCAGCGCTGGCTGGAGAGGAAAAGGAGTTTCCAGCATCTGGCCTTCGGCT
 TTGGGGTGCAGTGCCTGGGGCGCGCCTGGCAGAGGTGGAGATGCTGCTCCTGCTTACCATATGCT
 GAAAACCTTCCAGGTGGAGACTGAGACAAGAGGATGTGCAGATGGCCTATCGCTTTGTTTTGATGCC
 AGCTCTAGTCCTGCTCACTTTCCGGCCGTCAGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2810_a10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012538

Insert Size: 1509 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_012538.2](#), [NP_036670.2](#)

RefSeq Size: 2695 bp

RefSeq ORF: 1509 bp

Locus ID: 24294

Cytogenetics: 7q34

Gene Summary: steroid 11-beta-monooxygenase that catalyzes steps in the biosynthesis of aldosterone, corticosterone, and 18-hydroxycorticosterone [RGD, Feb 2006]