

Product datasheet for **RN213770**

Cyp11b1 (NM_012537) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp11b1 (NM_012537) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp11b1
Synonyms:	Cp11ba; RATCP11BA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213770 representing NM_012537
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTCAGGGTGACAGCAGATGTGTGGCTGGCAAGACCCTGGCAGTGCCTGCACAGGACGAGGGCAC
 TGGGCACTACGGCAAAAGTGGCCCCAAGACACTGAAGCCCTTTGAAGCCATACCAACTACTCCAGGAA
 CAAGTGGCTGAAGATGATACAGATCCTGAGGGAGCAGGGCCAAGAGAACCACACCTGGAGATGCACCGAG
 GCCTTCCAAGAGCTGGGGCCATTTTCAGGCACAGTGCAGGGGGAGCACAGATTGTGTCTGTGATGCTGC
 CTGAGGACGCTGAGAAGCTGCACCAGGTGGAGAGTATCCTCCCGCATCGGATGCCCTGGAGCCGTGGGT
 GGCCACAGGGAACCTCCGTGGCCTGAGACGTGGTGTGTTCTTGCTAAATGGGGCAGACTGGCGCTTCAAC
 CGACTGCAGCTGAATCCAAATATGCTGTCACAAAAGCCATTCAATCTTTTGTCCCTTTGTGGATGTGG
 TAGCAAGGGACTTTGTGAAAACCTGAAGAAGAGAATGCTGGAGAATGTCATGGAAGCATGTCTATAAA
 CATTTCAGTCCAATATGTTCAACTATACCATGGAAGCCAGCCATTTTGTATTTCGGAGAGCGTCTGGGC
 CTCACAGGCCATGACCTGAAACCTGAGAGCGTGACATTCACTCATGCTCTGCACTCAATGTTCAAGTCCA
 CCACACAGCTCATGTTCTTACCCAAGAGCTTGACTCGTTGGACAAGCACCCGGGTGTGAAAAGAACACTT
 TGATTCCTGGGATATCATCTCTGAGTATGTCACAAAATGTATCAAGAATGTGTATCGCGAACTGGCAGAG
 GGTGCGCAACAGTCTGGAGTGCATATCCGAGATGGTAGCACAGAGTACTCTGTCAATGGATGCCATCC
 ATGCCAACTCAATGGAACCTATTGCTGGAAGTGTGACACGACAGCAATCTCCTTGGTAATGACCCTTTT
 TGAGCTGGCTCGGAACCCAGATGTTTCAGCAGGCCCTGCGGCAGGAGAGCCTAGCAGCTGAGGCCAGCATC
 GTTGCTAATCCCAGAAGGCCATGTCAGACCTGCCCTTGTGCGGGCTGCCCTTAAAGAGACCTTGAGGC
 TCTACCCTGTTGGTAGCTTTGTAGAGAGAATCGTACACTCAGACCTGGTGTCTCAGAAGTATCATGTCCC
 TGCTGGGACATTGTCATAATTTATCTGTACTCCATGGGCCGAAACCCTGCAGTGTCCCAAGACCTGAG
 CGCTATATGCCTCAGCGCTGGCTGGAGAGGAAAAGGAGTTTCCAGCATCTGGCCTTCGGCTTTGGGATGC
 GCCAGTGCCTGGGGCGCGCCTGGCAGAGGTGGAGATGCTGCTCCTGCTTACCATATGCTGAAAACCTT
 CCAAGTGGAGACTGAGACAAGAGGATATGCAGATGGTTTTTCGCTTTCTTTTGTGATGCCAGCTCTAGT
 CCTTTCTTACTTTCCGGCCTGTGAGCTAG

ACGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012537
Insert Size: 1500 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:	<ol style="list-style-type: none">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:	<u>NM_012537.3</u> , <u>NP_036669.3</u>
RefSeq Size:	2691 bp
RefSeq ORF:	1500 bp
Locus ID:	500892
Cytogenetics:	7q34
Gene Summary:	catalyzes the conversion of 11-deoxycorticosterone to corticosterone [RGD, Feb 2006]