

Product datasheet for **RN205166**

Cyp1b1 (NM_012940) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp1b1 (NM_012940) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp1b1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205166 representing NM_012940
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCAGCCTTAGTGCAGACAGTCCACAGCAGCTGAGCTCGCTGTCTACCCAACAGACCATTCTTC
 TGCTACTCGTTTTCGGTCCCTGGCCATCGTCACTTAGGCCAGTGGCTGCTGCGCCAGTGGCGACGAAACC
 GTGGTCTCGCCCCGGGTCCCTTTCTTGCCATTGATCGAAAACGCGGCTCTGTTGGCCGGGCATCG
 CACTTGTACTTCGCTCGCCTTGGCAGGCGCTATGGCGACGTTTTTCAGATCCGTCTGGGAGCTGTCCCG
 TGGTGGTGTGAATGGCGAGAGTGCCATCCATCAGGCTCTGGTGCAGCAGGGCGGCTCTTTGCGGACCG
 GCCTCCCTTCGCCTCTTTCCGTGTGGTGTCTGGTGGCCGACGCTGGCGTTGGCCACTACTCAGAGCGC
 TGAAGGAGCGGCGACGTGCAGCCTATGGCAGATGCGTGCCTTCCACCCGCCACCCGCGCAGCCGCG
 GTCTCTCGAGGGCCACGCGCTGGGAGAGGCTCGAGAGTTGGTGGCAGTGTGGTGGCGGCTGCGCCGG
 TGGCCCTGCCTCGATCCGACGACCCGATCATAGTGGCGGTGGTAATGTCATGAGCGTGTATGCTTC
 GGCTGTGGTACAACCACGACGATGCCGAGTTCCTGGAGCTGCTCAGCCACAACGAGGAGTTCGGGCGCA
 CCGTGGGCGCGGGCAGCCTGGTGGACGTGATGCCCTGGCTGCAGCTTTTTCCCAACCCGGTGGCACCAT
 CTTCCGCGAGTTCGAGCAGATCAACCGCAACTTCAGCAACTTCGTCTGGACAAGTTCCTGAGGCACCGA
 GAAAGCCTCGTGCCCGGGGCTGCTCCTCGAGACATGATGGACGCCTTCATCCTCTCCGCCGAAAAGAAGG
 CGACTGGGACCTGGTACAGTCCCTCCGGGCTGGATTTGGAGGATGTGCCTGCCACTATTACAGACAT
 CTTTGGAGCCAGCCAGGACACCTTTCCACCGCGCTGCTGTGGCTGCTCATCCTCTTTACCAGATACCCG
 GATGTGCAGGCCCGCTGCAGGCCGAGTTGGACCAGGTTGTGGGAGGGACCCGCTGCCCTGCATGAGTG
 ACCAACCCAACTTACCATACGTATGGCTTTTCTTTATGAATCCATGCGATTACCAGCTTTTTCCTGT
 CACCCTTCCACATGCCACCACTGCCAACACCTTTGTTTTAGGCTACTACATCCCCAAAAACCGGTAGTT
 TTTGTTAACCAAGTGGTCTGTGAATCATGACCCAGCAAAGTGGTCTAACCCAGAGGACTTTGATCCGCCCC
 GCTTCTGGACAAGGACGGCTTCATTAACAAGGCACTAGCCAGCAGCGTATGATATTTTTCAGTGGGCAA
 ACGACGGTGCATCGGCGAGGAGTTGTCTAAGACGCTTCTGTTTCTTTCATCTCCATCCTCGCTCATCAG
 TGCAATTTCAAGGCTAACAAAACGAGCCCTCAAACATGAGTTTTCAGTTACGGCTGAGCATTAAAGCCCA
 AGTCGTTTAAAAATCCATGTGTCTCTCAGAGAGTCCATGAAGCTCCTTGATAGTGTGTGAGAAGCTGCA
 AGCTGAGGAAGCTTGCCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012940
- Insert Size:** 1632 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_012940.2](#), [NP_037072.1](#)

RefSeq Size: 2321 bp

RefSeq ORF: 1632 bp

Locus ID: 25426

UniProt ID: [Q64678](#)

Cytogenetics: 6q11

Gene Summary: plays a role in polycyclic aromatic hydrocarbon metabolism in adrenal microsomes [RGD, Feb 2006]