

Product datasheet for **RN213991**

Cyp8b1 (NM_031241) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp8b1 (NM_031241) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp8b1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213991 representing NM_031241
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGTGGGGTTCAGTGTAGGGGCCCTGCTCATGGCTGTCGGTTGCCCTCTGCCTCTCCTTGCTGCCCA
GGCACCGCAGGCCTGGGAGCCACCTCTGGACAAGGGTTTGTGCCCTGGCTGGGTACACCATGGCCTT
CCGGAAGAATATGTTTGAATTCCTGAAGGAATGCGGGCCAAGCACGGGGACGTGTTCACTGCAGCTG
GGAGGCCAGTACTCACCTTTGTCATGGATCCCCTCTCCTTTGGCCCCATCATTAAAGAGCACGCAGAAA
TGCTAGACTTCGTGACGTACGCTCGGAACTGGTGTCAAGGTGTTGGGTACCAGTCCATGGATGAGGA
CCACCAGATGCTGCACGTAGCCAGTACCAAGCATCTGATGGGACAAGGCTTGAGGACCTCAACCGGCC
ATGCTGGACAGCCTGTCCTTGGTATGCTAGGACCCAAAGGCCGGAGTCTGGGTGCCAGGCTCCTGGTGTG
AGGACGGCCTCTCCACTCTGCTACAGCATCTTGTTAAAGGCTGGCTTCTGAGCTTGTGGTGCAC
CAAGACAAGGAGCAGGACCTGGATGAGGCCGATGAGCTGTTCAAGGATCCGCAGATTTGACCTACTT
TCCCCAGGTTTGTCTACTCCCTGCTGGGGCCCCGGAGTGGGTAGAAGTGAGCCAGCTGCAGCGTCTCT
TCCACCAGAGACTCTCTGTGGAGCAAAACCTGGAGAAAAGACGGCATAAGTAACTGGTTGGGCTTCATGCT
TCGGTTTCTGAGGGAGCGAGGGATGGCTTCATCCATGCAGGACAAATTTAACTTTATGATGCTCTGGGCC
TCCCAGGGGAACACGGGGCCACCTGTTTCTGGGCCCTCCTGTTCTGCTGAAGCATCAGGACGCGATGA
AGGCTGTGCGAGAGGAAGCCACTCGGGTCTGGGTGAGGCCAGGTTGGAAGCCGAGACATCCTTCGCTTT
CACTCTCAGTGCCTGAAATGCACTCCAGTGTGACAGCGTGTGGAAGAGACTCTTCGCTCTGTGCC
ACCCCCACCCTCCTCGGGTGGTGCAGGAGGATTATGTCTAAAGATGGCCAGTGGCAAGAGTACCAGA
TCCGCCGTGGAGATAAGGTGGCTCTCTCCCTATCTCTCAGTACACATGGACCCCGCAAGATCCATCCCA
GCCACGACCTTCAAGTACAATCGGTTCCCTCAACCCTGATGGCACCCGAAAGTGGACTTCTACAAGTCA
GGCAAGAAGATCCACCACTACAACATGCCTGGGGTTCGGGTGTCTCCATATGTCCCGCAGGTTCTTTG
CCCCAGTGAGATGAAGACCTTTGCTCCTTATGGTCATGACTTTGACTTTGAACTGGTGGACCTCGA
CATGCCTGTGCCCTATCGACCAAGCGCTGGGGCTTCGGCACCTCCCAGCCAGCCATGAGGTACGC
TTTCGCTACCGCCTGAAGCCATGCAG**TGA**

ACGGTACGGCGCCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031241

Insert Size: 1500 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_031241.1](#), [NP_112520.1](#)

RefSeq Size: 1965 bp

RefSeq ORF: 1500 bp

Locus ID: 81924

Cytogenetics: 8q32

Gene Summary: member of the cytochrome P450 enzyme superfamily; endoplasmic reticulum membrane protein; plays a role in sterol metabolism; human homolog is unique among cytochrome P450 genes in that it is intronless [RGD, Feb 2006]