

Product datasheet for **RN204118**

Cyp7b1 (NM_019138) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp7b1 (NM_019138) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp7b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204118 representing NM_019138
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGAGCCACGACCCAGATGCCGCTTCGCCGGGCTCTCTCCCTACTAGGCCTTCTTTTGGG
 TCACCTTGCTGCTCCAGTCTGTTCCTCCTCACCCGGCGCACAAAGCGTCTTGTGAACCTCCCTTGAT
 AAAAGGTTGGATTCTTATCTTGGCATGGCCCTGAAATTCTGGAAGGATCCGTTAGCTTTCTTGCAAAC
 CTTCAAAGGCAATGTGGTGACACTTTCACTGTCTTACTTGGAGGGAAGTATATAACATTTGTTCTGAACC
 CTTTCCAGTACCAGTATGTAATGAAAAACCCAAAAACAATTAAGCTTTGAGAAGTTCAGCCGAAGATTATC
 AGCGAAAGCCTTCTGTCAAGAAGCTGCTAACTAATGACGACCTTAGCAATGACATTCACAGAGGCTAT
 CTTCTTTTACAAGGCAATCTCTGGATGGTCTTCTGGAAACCATGATCCAAGAAGTAAAAGAAATATTTG
 AGTCCAGACTGCTAAAACACAGATTGGAATACAGCAAGAGTATTTGATTTCTGTAGTTCACTGGTATT
 TGAAATCACATTTACAATATATGAAAAAATCTTGTCTGCTAACAAAAACAAATTATCAGTGAGCTG
 AGGGATGATTTTTTAAAAATTTGATGACCATTTCCCATACTTAGTATCTGCATACCTATTAGCTTCTAA
 GAAATGCAGAATTTATGCAGAAGAAAATTAAAAATGTCTCACACCAGAAAAAGTAGCTCAGATGCAAAG
 ACGGTCAGAAATTTGTTCCAGGAGAGGCAGGAGATGCTGAAAAAATACTACGGGCATGAAGAGTTTGAATA
 GGAGCACATCATCTTGGCTTGTCTGGGCTCTTAGCAAACACCATTCCAGCTATGTTCTGGGCAATGT
 ATTATCTTCTCAGCATCCAGAAGCTATGGAAGTCTGCGTGACGAAATTGACAGCTTCTGCAGTCAAC
 AGGTCAAAGAAAGGACCTGGAATTTCTGTCCACTTACCAGAGAACAATTGGACAGCTTGGTCTGCCTG
 GAAAGCGCTATTCTTGAGGTTCTGAGGTTGTGCTCCTACTCCAGCATCATCCGTGAAGTGAAGAGGATA
 TGGATTTCACTCAGAGAGTAGGAGCTACCGTCTGCGGAAAGGAGACTTTGTAGCTGTCTTCTCCAAT
 GATACACAATGACCCAGAAGCTTTCGATGCTCCAAGGACTTTAGGTTTGTATCGCTTCGTAGAAGATGGT
 AAGAAGAAAAACAACGTTTTTCAAAGGAGGAAAAAAGCTGAAGAGTTACATTATACCATTTGGACTTGGAA
 CAAGCAATGTCCAGGCAGATACTTTGCAATTAATGAAATGAAGTACTAGTGATTATACTTTTAACTTA
 TTTTGATTTAGAAGTCATTGACACTAAGCCTATAGGACTAAACCACAGTCGCATGTTTCTGGGCATTGAG
 CATCCAGACTCTGACATCTCATTAGGTACAAGGCAAAATCTTGGAGATCCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019138
- Insert Size:** 1524 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_019138.1](#), [NP_062011.1](#)

RefSeq Size: 2626 bp

RefSeq ORF: 1524 bp

Locus ID: 25429

UniProt ID: [Q63688](#)

Cytogenetics: 2q24

Gene Summary: member of the p450 subfamily of cholesterol metabolizing enzymes that performs 7alpha-hydroxylation of 27-hydroxycholesterol in a bile synthesis pathway alternative to the classical cholesterol disposal pathway [RGD, Feb 2006]