

Product datasheet for **RN205361**

Cyp27b1 (NM_053763) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp27b1 (NM_053763) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp27b1
Synonyms:	Cyp40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN205361 representing NM_053763
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACCCAGGCAGTCAAGCTCGCCTCCAGAGTCTTCCATCGAGTCCAACCTGCCTTCTCAGCTGGGCAGTG
 ACTCGTTTCTCCGGAGTTTATCTGATATCCCTGGGCCCTTACACCTAGCTTCTCGGCTGAACTCTTCTG
 CAAAGGGGGGCTGTCCAGGCTACATGAACTGCAGGTGCATGGCGCTGCGCGGTACGGGCCAATATGGTCC
 GGCAGCTTCGGGACACTTCGCACAGTTTATGTGGCCGACCCTGCCTTGTAGAGCAGCTCCTGCGACAAG
 AAAGTCATTGTCCAGAGCGCTGTAGTTTCTCATCTTGGTCAGAGCACCGTCGCCGCCACCAGCGGGCTTG
 CGGGTTGCTAACGGCGGATGGTGAAGAATGGCAGAGGCTCCGAAGTCTCCTGGCCCCGCTACTCCTCCGA
 CCTCAAGCAGCCCGGCTATGCTGGAAGTCTGGACAGCGTGGTCAGTGACCTCGTGCAGCAGCTAAGGC
 GCCAGCGGGGACGTGGCTCTGGGCTACCGACCTAGTTCTGGACGTGGCGGGAGAGTTTTACAAATTTGG
 CCTAGAAGGCATAGGCGCGGTGCTGCTGGGATCGCGCCTGGGCTGCCTGGAGGCTGAAGTTCCTCCCGAC
 ACAGAAACCTTCAATTGAGGCCGTGGGCTCGGTGTTTGTGTCTACACTCTTGACCATGGCAATGCCAGTT
 GGCTGCACCGCCTTATACCCGGACCCTGGGCCCGCCTCTGCAGAGACTGGGATCAGATGTTTGCCTTTGC
 CCAGAAGCACGTGGAGCAGCGCGAAGGCCAAGCTGCCGTGAGGAACCAGGGAAAGCCTGAGGAGGATTTG
 CCAACGGGGCATCACTTAACCCACTTCTTTTTCGGGAAAAGGTGTCTGTCCAGTCCATAGTGGGAAATG
 TGACAGAGCTACTACTGGCTGGAGTGGACACGGTATCCAATACGCTCTCCTGGGCACTCTATGAGCTCTC
 CCGGCACCCGGAAGTCCAGTCTGCACCTCACTCTGAGATCACAGGCGCTGTGAACCCTGGCTCCTATGCC
 CACCTCCAAGCCACTGCTGTCCAGCTACCCCTGCTAAAGGCTGTGATCAAAGAAGTGTGAGATTGT
 ACCCTGTGGTACCTGGGAACTCCCGTGTCCAGACAGAGACATCTGTGTAGGAAACTATGTTATTTCCCA
 AGATACACTGGTTTCCCTCTGTCACTATGCCACTTCAAGGGACCCCGCCAGTTTCGGGAACCCAACTCT
 TTTAATCCAGCTCGATGGCTTGGAGAGGTCAGCCCCCACCCATTTGCATCTTCTTTTGGCTTTG
 GCAAACGAAGTTGCATAGGGAGACGCTTGGCAGAGCTCGAGCTACAAATGGCGTTGGCCAGATCTTGAC
 CCATTTTGGAGTGTGCTGAGCCAGGTGCTTCCAGTCAAACCCATGACCCGGACTGTCTGGTACCT
 GAGAGGAGCATCCATCTCCAGTTTGTAGACAGATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_053763
- Insert Size:** 1506 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_053763.1](#), [NP_446215.1](#)

RefSeq Size: 2426 bp

RefSeq ORF: 1506 bp

Locus ID: 114700

UniProt ID: [O35132](#)

Cytogenetics: 7q22

Gene Summary: cytochrome P450 enzyme that plays a role in vitamin D metabolism [RGD, Feb 2006]