

Product datasheet for **RN212529**

Cyp4b1 (NM_016999) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp4b1 (NM_016999) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp4b1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212529 representing NM_016999
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTCCTCAATTTCTCTCCCCGAGCCTTCCCGGCTCGGCTTGTGGGCTTCTGTAGTGATCCTGATGG
 TAATCGTTCTCAAGCTCTTCAGCCTGCTGCTTCGGAGGCAGAAGCTGGCCAGGGCTATGGACAGTTTCCC
 AGGGCCCCCACACACTGGCTTTTTGGTCATGCCCTTGAGATCCAGAAGTTAGGGAGCCTGGACAAGGTG
 GTATCCTGGGCCAACAGTTCCCCATGCCACCCACTTTGGTTTGGACAATTCGTTGGTTTCTGAACA
 TCTATGAGCCGACTATGCGAAAGCTGTATACAGCCGCGGGATCCGAAGGCTGCAGATGTGATGACTT
 CTTCTCCAGTGGATCGGAAAGGCCTACTAGTTCTGGATGGGCCAAAATGGTTCCAGCACCCGAAGCTG
 CTCACACCTGGCTCCATTATGATGTGCTGAAGCCCTATGTGGCCATATTTGCTGAGTCCACACGTATGA
 TGCTGGACAAGTGGGAGAAAAAGGCTAGTAAAAAAGAGCTTTGACATCTTCTGTGACGTAGGCCACAT
 GGCCCTGGACACCCTCATGAAGTGCACCTTCGGCAAAGGAGACAGCGCCCTAGGCCACAGAGACAACAGC
 TACTACCTGGCGGTCAGTGACCTCACACTGCTGATGCAGCAGCGCATCGACTCCTTCCAGTACCATAATG
 ACTTCATTTACTGGCTCACTCCACATGGCCGCCGCTTCTGCGGGCTGCAAGATAGCCCATGACCATAC
 AGATGAGGTATCAGGCAGCGGAAGGCAGCACTGCAGGATGAGAAAGAGCGGAAAAAGATTGAGCAGCGG
 AGGCACCTGGACTTCTGGACATTTCTCTGGGTGTCCGGGATGAAAGTGGGATCAAGCTGTCAGATGCAG
 AGCTCCGGGTGAAGTGGACACATTCATGTTTGAAGGCCATGACACCACCACTAGTGGTATCTCTTGGTT
 TCTCTACTGCATGGCCCTTTACCTGAGCACCAGCAGCTATGTAGGGAGGAGTCCGTGGGATCCTAGGA
 GACCAAGACTCCTTCCAATGGGATGATCTGGCCAAGATGACCTACCTGACCATGTGCATGAAGGAGTGCT
 TCCGCCTTACCACCTGTACCCAAGTATACCGCCAGCTCAACAAGCCAGTACCTTCGTGGATGGCCG
 CTCTTACTGCAGGCAGCCTGATCTCTGCACATCTACGCCCTCCACAGGAACAGTACTGTGTGGCCT
 GATCCAGAGGTCTTTGACCCACTGCGCTTTTCTCTGAGAATGCTGCAGGACGGCATCCCTTTGCCTTCA
 TGCCTTTTTCTGCAGGGCCAGGAATTGCATCGGGCAGCAGTTTGCCATGAACGAGATGAAGGTGGTCA
 AGCCCTTTGTTTACTGCGCTTTGAGTTCTCCCTGGATCCCTCAAAGATGCCCATTAAGGTCCCCAGCTG
 ATCTTGCCTCCAAAAATGGTATCCACCTTACTGAAGCCGCTGGCTTCTAGGTCTGAAAAGTAG

ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_016999
- Insert Size:** 1536 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_016999.2](#), [NP_058695.2](#)

RefSeq Size: 1920 bp

RefSeq ORF: 1536 bp

Locus ID: 24307

UniProt ID: [P15129](#)

Cytogenetics: 5q35

Gene Summary: may activate carcinogenic amines and contribute to bladder cancer [RGD, Feb 2006]