

Product datasheet for **RN203300**

Cyp2b21 (NM_198733) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2b21 (NM_198733) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2b21
Synonyms:	Cyp2b13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203300 representing NM_198733
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCCAGTGTCTGCTCCTTTTGTCTTCTCACAGGCTTCTTGCTACTCTTGATCAGGGCCAGG
 GAAACGGATATGGCCATCTTCCACCAGGACCCTGTCCCCTGCCCTCTTGGGGAACGTTTTGCAAATGGA
 CAGAAGAGGTCTCCTCAAGTCTTTTATTAGCTTCGTGACAAATATGGAGATGTGGTTACAGTGCCTTG
 GGACCAAGGCCCATAGTCATGCTGTATGGGACCGAGACCATAAGGGAAGCTCTGGTGGACCATGCTGAGG
 CTTTCTCTGGCCGGGAACAGTTGCTGTGGTTCAGCCAATTATACAGGACTATGGTATGATCTTTGCCAA
 TGGGGAACGTTGGAAGATCCTTCGGCGATTCTCTAGCCACCATGAGAGACTTTGGGATGGGAAAGCGA
 AGTGTGGAGGAGAGGATAAAGGAGGAGGCCCAATGTTTGGTGGAGGAAGTGAAGAAATACAAGGGAGCCC
 CACTGGACCCACCTTCCACCTACAGTGCATTACAGCCAACATCATCTGCTCCATTGTCTTTGGAGAACG
 TTTTGACTACACAGACCACAGTTTCTGCACCTGCTCGACCTGTTCTATGAGATCTTGCTACTTGTAGC
 TCATTCTCCAGCCAGGTGTTGAGCTTTTCACTGGCTTCCTGAAGTACTTTCCTGGCACCCACAGACACA
 TCTCCAAAAACATAGAGGAAATCCTCAACTTCATTGGCCATTGTGTGGAGAAGCAGGGCCACATTAGA
 CCCAGCACTCCACGAGACTTCATAGATACCTACCTTCTCAGAATGGAGAAGGAGAAATTAACCACCAC
 ACAGAATCCATCACCAGAACCTCATGATGTCTGTGCTCTCTCTTCTTTGCTGGCACTGAGACCAGCA
 GCACCACACTTCGCTATGGTTTCTGCTCATGCTCAAGTACCCCATGTTGCAGAGAAAGTTCAAAAGGA
 GATTGATCAGGTGATTGGCTCACACCGGTCCTCAACCTTGTATGACCGCATCAAATGCCATACACTGAT
 GCAGTCATCCATGAGATTCAGAGATTTTCAGATCTTGTCCGATTGGTCTGCCACACAGAGTCACCAAAG
 ACACATTGTTCCGAGGGTACCTGCTCCCAAGAACATTGAGGTGTACCCATCCTGAGTTCAGACTCCA
 TGATCCACAGTACTTTGAACACCCGGACACCTCAATCCTGAGCACTTCCTGGATGCCAATGGGGCACTG
 AAGAAGAATGAAGCTTTTCTGCCCTTCTCCACAGGAAAGCGTGTGTTGCTTGGTGAAGGCATTGCCCGCA
 ATGAGTTGTTCTTTTCTTCAACCATCTCCAGAACTTCTCAGTGTCCAGCCCTGTGTCTCCTAAGGA
 CATTGATCTCACTCCAAGGAGAGTGGCTTTGCCAAAATACCTCCAACATACCAGATCTGCTTCTTATCT
 CGCCAATTGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198733
- Insert Size:** 1485 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_198733.1](#), [NP_942028.1](#)

RefSeq Size: 1885 bp

RefSeq ORF: 1485 bp

Locus ID: 292728

Cytogenetics: 1q21

Gene Summary: putative member of the cytochrome P450 monooxygenase enzyme superfamily; may be involved in metabolism and activation of carcinogens [RGD, Feb 2006]