

Product datasheet for **RN211147**

Cyp2b12 (NM_017156) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2b12 (NM_017156) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2b12
Synonyms:	Cyp2b15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211147 representing NM_017156
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGAATTCGGTGTCTTGTCTCTCTCACTCTCACTGTGGGCTTCTTGCTATTCTTAGTCAGCCAAAGTC
 AGCCAAAGACCCATGGGCACCTTGCCACCAGGACCTCGTCCCCTGCCCTTCTTGGGGAACCTTTACAGAT
 GAACAGAGAGGGCTTTCTGAATCTTTTCATGCAGCTTCAAGAAAAATATGGAGATGTGTTACAGTACAC
 CTGGGACCAAGGCCCGTGGTCAATTGTGTGGGACAGACACCATAAGAGAGGCTCTGGTGGACCAAGCTG
 AAGCTTTCTCTGGTGGGGAACAGTTGTGTGTCTCCATCCAGTTGTACAGGGATATGGTGTGATCTTTGC
 CACTGGGGAACGTTGGAAGACCTTCGGCGATTCTCTGGTCACCATGAAAGAATTCGGAATGGGAAAG
 CGGAGTGTAGATGAGAGGATAAAGGAGGAGGCCAGTGTGGTGGAGGAGCTGAAGAAATACAAGGGAG
 CCCCCCTGAACCCACCTTCTCTTCAATCCATCGCAGCAAACACCATCTGCTCCATTGTCTTTGGAGA
 GCGCTTTGACTACAAAGACCACAGTTCCTGCATCTGCTGGATCTAGTCTATAAGACATCTGTCCTTATG
 GGCTCCTTGTCCAGCCAGGTGTTTGAGCTTTACTCTGGCTTCTGAAATACTTTCTGGTGCCCAAAAC
 AAATCTTCAAAAACCTACAGGAAATGCTCAACTACATTGGCCATATTGTGGAGAAGCACAGGGCAACCTT
 GGACCCAGTGCTCCACGAGATTTATCGATACTTACCTTCTGCGCATGGAGAAGGAGAAGTCCAACCAT
 CACACAGAGTTCAATCACCAGAACCTTGTGATCTCTGTCTCTCTCTTCTTGTGGCACCAGAGACCA
 CCAGCACCACGCTCCGTTGCACCTTCTGATCATGCTCAAGTACCCACGTTGCAGAGAAAGTCCAAAA
 GGAGATTGATCAGGTGATTGGCTCACACCGCTACCAACCCCTGATGATCGTACCAAAATGCCATATACT
 GATGCAGTCATCCATGAGATTCAGAGATTTGCAGATCTGACCCGATTGGTCTACCACACAGAGTCACCA
 AAGACACCGTGTCCGAGGGTACCTGCTTCCCAAGAACACTGAGGTGTACCCATCCTGAGTTCAGCTCT
 CCATGACCCACGGTACTTTGAACAACAGACACTTTCAATCCTGAGCACTTCTGGATGCCAATGGGGCA
 CTGAAGAAGAGTGAAGCTTTTCTGCCCTTCTCTACAGGAAAGCGCATTTGTCTTGAGAAGGCATTGCC
 GAAATGAATTGTTCAATTTCTTACCAGCCATCTGCAGAACTTCACTTTGGCAAGCCCTGTGGCTCCTGA
 GGACATTGACCTCACTCCATTAACATTGGTGTAGGCAAATACCCTCTCCATACCAGATAAACTTCCTG
 TCCCGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017156

Insert Size: 1479 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:	<u>NM_017156.1, NP_058852.1</u>
RefSeq Size:	2528 bp
RefSeq ORF:	1479 bp
Locus ID:	29295
UniProt ID:	<u>P33272</u>
Cytogenetics:	1q21
Gene Summary:	member of the 2B subfamily of the cytochrome p450 monooxygenases; catalyzes reactions involved in drug metabolism and cholesterol biosynthesis [RGD, Feb 2006]