

Product datasheet for **RN205203**

Cyp2d2 (NM_012730) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2d2 (NM_012730) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2d2
Synonyms:	Cyp2d26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205203 representing NM_012730
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGCTGCTGATTGGAGATGACCTCTGGGCTGTGGTCATATTCACAGCCATCTTCTTGCTTCTGGTGG
 ACCTGGTGACCGGCACAAATTCTGGACTGCCCACTACCCTCCCGGCCCTGTGCCACTCCCTGGGCTGGG
 AAACCTGCTGCAGGTGGACTTTGAGAACATGCCATATAGCTTATACAAGCTTCGAAGCCGCTATGGTGAC
 GTGTTACGCCTACAGATAGCCTGGAAGCCTGTAGTTGTGATCAACGGGCTGAAGGCCGTGCGGGAACCTGC
 TGGTGACCTATGGAGAGGACACTGCTGACCGCCCCCTACTGCCCATCTATAATCACCTGGGCTATGGGGA
 CAAATCAAAGGTGTGGTCTTGACCTTACGGACCTGAGTGGCGAGAGCAGAGACGATTCTCTGTGTCC
 ACCCTGCGTGACTTCGGCGTGGGCAAGAAATCGCTGGAGCAGTGGGTGACAGAGGAGGCCGCCACCTCT
 GTGACACCTTCGCCAAGGAGGCTGAACATCCCTTCAATCCAGCATCCTCCTGAGTAAGGCTGTGAGCAA
 CGTGATTGCCTCCCTTGTATGCTCGTCGATTTGAGTATGAGGACCCTTCTTCAACAGGATGCTCAAA
 ACATTGAAGGAGAGCTTTGGAGAGGACACCGGCTTCATGGCAGAGGTGCTGAACGCAATCCCAATTCTCC
 TTCAGATTCTGGGCTGCCTGGCAAAGTCTTCCCAAGCTCAATTCATTATAGCCTTAGTGATAAGAT
 GTTAATTGAGCACAAGAAAAGCTGGGATCCTGCCAGCCGCCCGAGACATGACTGATGCCTTCCTAGCA
 GAGATGCAAAAGGCCAAGGGGAATCCTGAGAGCAGCTTCAATGATGAAAATCTGCGCTTGGTGGTGATTG
 ACCTGTTTCATGGCGGGGATGGTGACCACCTCAACCACACTGTCTGGGCCCTTCTGCTCATGATCCTGCA
 TCCAGATGTGCAGCGCCGAGTCCACGAGGAGATTGATGAGGTGATAGGCGAGTGGTGGTCCAGAGATG
 GCAGACCAGGCACGAATGCCGTTACCAATGCTGTCATCCATGAGGTGCAGCGCTTTCAGACATCGTCC
 CGACAAATATACCACATATGACATCCCGAGACATTAATTTCCAAGGCTTCTCATCCCCAAGGGGACAAC
 CCTCATCCCCAACCTGTCTCCGTGCTGAAGGATGAGACTGTCTGGGAGAAGCCCTCCGCTTCCATCCA
 GAACACTTCTGGATGCCAGGGCAACTTTGTGAAGCATGAGGCCTTCATGCCATTCTCAGCAGGCCGCA
 GAGCATGCCTGGGGGAGCCCTGGCCCGCATGGAGCTCTTCTCTTCTTACCTGCCTCCTGCAGCGCTT
 CAGCTTCTCGGTGCTGGCCGGCCGGCCCGGCCAGCACCCATGGCGTCTACGCATTGCCAGTTACTCCA
 CAGCCTTACCAACTCTGTGAGTGGCTCG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_012730

Insert Size: 1503 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_012730.1, NP_036862.1</u>
RefSeq Size:	1698 bp
RefSeq ORF:	1503 bp
Locus ID:	25053
UniProt ID:	<u>P10634</u>
Cytogenetics:	7q34
Gene Summary:	monooxygenase and member of P450II gene family; does not have debrisoquine hydroxylating activity [RGD, Feb 2006]