

Product datasheet for **RN201934**

Cyp2d5 (NM_173304) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2d5 (NM_173304) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2d5
Synonyms:	Cyp2d10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN201934 representing NM_173304
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGCTGAATGGGACTGGCCTGTGGCCCATGGCCATTCACAGTCATCTTCATATTACTGGTGG
 ACCTGATGCACCGGCACCGAGCGCTGGACTTCTCGCTACCCTCCAGGCCCTGTGCCGTGGCCTGTGCTGGG
 CAACCTGCTGCAGGTGGACCCAGTAACATGCCATACAGCATGTACAAGCTTCAACACCGCTATGGTGAC
 GTGTTGAGCTGCAGATGGGTTGGAAGCCCATGGTCATTGTCAACAGACTGAAAGCGGTGCAGGAAGTGC
 TGGTGACTCATGGAGAGGACACTGCTGACCGCCCTCCAGTGCCCATCTTTAAGTGCCTGGGTGTGAAGCC
 CAGATCCCAAGGTGTGGTCTTTGCATCTTACGGGCCTGAGTGGCGAGAGCAGAGGCGATTCTCTGTGTCC
 ACCCTGCGCACCTTCGGCATGGCAAGAAATCCCTGGAGGAGTGGGTGACCAAGGAGGCCGCCACCTCT
 GTGATGCCTTCACTGCCAGAATGGGCGGTCCATCAATCCCAAGGCCATGCTGAACAAAGCCTTGTGTAA
 TGTGATCGCATCCCTCATTTTTTCCCGTCGCTTTGAATATGAAGACCCTTACCTCATCAGGATGCTGACA
 CTAGTGGAAGAAAGTTTGATAGAAGTCTCTGGTTTCATTCTGAGGTTCTTAACACGTTCCAGCACTGC
 TGCGCATCCCAGGGCTGGCTGACAAGGTCTTCCAAGGTGAGAAGACCTTCATGGCCTTCTCGGATAACCT
 GCTGGCTGAGAACAGGACCACCTGGGACCTGCCAGCCACCCGAAATCTGACTGATGCCTTCTGGCT
 GAGGTGGAGAAGGCCAAGGGGAATCCTGAGAGCAGCTTTAATGATGAGAACCTACGCATGGTGGTAGTTG
 ACCTGTTCACTGCAGGGATGGTGACCACCGCCACCACACTGACCTGGGCCCTACTGCTCATGATTCTATA
 CCCGGATGTGCAGCGCAGAGTCCAACAAGAGATTGATGAGGTGATAGGGCAGGTGCGGTGTCCAGAGATG
 ACAGACCAGGCCACATGCCCTACACCAATGCTGTCATCCATGAGGTACAGCGCTTTGGGGACATTGCTC
 CATTGAATTTGCCACGCATCACGAGTTGTGACATTGAAGTGCAGGACTTCGTCATCCCCAAGGGGACGAC
 CCTCATCATCAACCTGTGCTCCGTGCTGAAGGATGAGACTGTCTGGGAGAAGCCCTCCGCTTCCACCT
 GAACACTTCTGGATGCCAGGGCAACTTTGTGAAGCATGAGGCCTTCATGCCATTCTCAGCAGGCCGCA
 GAGCATGCCTTGGGGAGCCCTGGCCCGCATGGAGCTCTTCTCTTCTTACCTGCCTCTGCAGCACTT
 CAGCTTCTCCGTGCCGGCCGGACAGCCCGGCCAGCACCTTGGCAACTTGTCTATTTCAGTTGCCCC
 TTGCCCTACCAGCTCTGTGCTGCGGTACGGGAGCAAGGACACT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_173304

Insert Size: 1515 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_173304.2, NP_775426.1</u>
RefSeq Size:	1590 bp
RefSeq ORF:	1515 bp
Locus ID:	286963
UniProt ID:	<u>P12939</u>
Cytogenetics:	7q34
Gene Summary:	member of a P450 IID gene subfamily that may have been maintained through gene conversion [RGD, Feb 2006]