

Product datasheet for **RN212200**

Cyp1a2 (NM_012541) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp1a2 (NM_012541) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp1a2
Synonyms:	CYPD45; P-450d; RATCYPD45
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212200 representing NM_012541
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTTCTCCAGTATATCTCCTTAGCCCCAGAGCTGCTACTGGCCACTGCCATCTTCTGTTTAGTGT
 TCTGGGTGTTGAGAGGCACAAGGACCCAGGTTCCCAAAGTCTGAAGAGTCTCCCGACCTGGGGCTT
 GCCCTTATTGGGCACATGCTGACCCTGGGAAGAACCACACCTATCTCTGACAAGCTGAGTCAGCAG
 TATGGGGACGTGCTGAGATCCGCATTGGCTCCACACCCGTGGTGGTGTGAGCGGCCTGAACACCATCA
 AGCAGGCCCTAGTGAAGCAGGGGATGACTTCAAAGGCCGGCCAGACCTCTACAGCTTACACCTTATCAC
 TAATGGCAAGAGCATGACTTTCAACCCAGACTCTGGACCGGTCTGGGCTGCCCGCCGGCCCTGGCCAG
 GATGCCCTGAAGAGTTTCTCCATAGCCTCAGACCCACATCAGTATCCTCTTGCTACTTGGAGGAGCAG
 TGAGCAAAGAGGTAACCATCTAATCAGCAAGTCCAGAAGCTGATGGCAGAGGTTGGCCACTTCGAACC
 AGTCAACCAGGTGGTGAATCGGTGGCTAATGTTCATCGGAGCCATGTGTTTTGGGAAGAACTTCCCAGG
 AAGAGCGAGGAGATGCTAACCTCGTGAAGAGCAGCAAGGACTTTGTGGAGAATGTACCTCAGGGAATG
 CTGTGGACTTCTTTCCGGTCTGCGCTACCTGCCCAACCCAGCCCTCAAGAGTTTAAAGAACTTCAATGA
 TAACTTTGTGCTGTTTCTGCAGAAAACAGTCCAGGAACACTATCAAGACTTCAACAAGAACAGTATCCAG
 GACATCACAGGCGCCCTGTTCAAGCACAGTGAGAACTACAAGACAACGGTGGTCTCATCCCTCAGGAGA
 AGATTGTCAACATTGTCAATGACATCTTGGAGCTGGATTTGAAACAGTCACAACAGCCATCTTCTGGAG
 CATTTTGTACTTGTGACAGAGCCCAAGGTGCAGAGGAAGATTCATGAGGAGCTGGACACGGTGATTGGC
 AGAGATCGGCAGCCACGGCTTTCTGACAGACCCAGCTGCCATATCTGGAGGCCCTTATCCTGGAGATCT
 ACCGATACACATCCTTTGTCCCCTTACCATCCCCACAGCACAACGAGGGACACCTCACTGAATGGCTT
 CCACATTTCCAAGGAGTGTGCATCTTATAAACCAGTGGCAGGTCAACCATGATGAGAAGCAGTGGAAA
 GACCCCTTTGTGTTCCGCCAGAGCGGTTTCTTACCAATGACAACACGGCCATCGACAAGACCCTGAGTG
 AGAAGGTGATGCTCTTCGGCTTGGGAAAGCGCCGGTGCATTGGGGAGATCCCGGCCAAGTGGGAAGTCTT
 CCTCTTCTTAGCCATCCTCCTGCATCAGCTGGAGTTCAGTGTGCCACCGGCGTGAAGGTGGACCTGACA
 CCCAGCTATGGGCTGACCATGAAGCCCAGAACCTGTGAACACGTCCAGGCTGGCCACGCTTCTCCAAGT
 GA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_012541

Insert Size: 1542 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_012541.3](#), [NP_036673.3](#)

RefSeq Size: 1882 bp

RefSeq ORF: 1542 bp

Locus ID: 24297

UniProt ID: [P04799](#)

Cytogenetics: 8q24

Gene Summary: a monooxygenase that may play a role in xenobiotic metabolism [RGD, Feb 2006]