

Product datasheet for **RN211209**

Cyp24a1 (NM_201635) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp24a1 (NM_201635) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp24a1
Synonyms:	24-OHase; 24R-Ohase; Cyp24; P450-CC24; VITD12
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211209 representing NM_201635
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTGCCCCATTGACAAACGGCGCACCTGATCGCTTTTCTGCGCCGACTGCGCGACCTGGGACAGC
 CCCAAGGTCGGTGACATCCAAGGCGAGCGCTTCCCGCGCTCCAAAAGAGGTGCCCTCTGCCCGTGAT
 GACAGACGGTGAGACTCGAAACGTCACCTCCTTGCTGGGCCACCAACTGGCCACTGCTAGGGAGTCTA
 CTGGAGATTTTTGGAAAGGTGGCTGAAGAAACAGCACGACGCTGGCAGAGTACCACAAGAAGTATG
 GCCAGATTTCCGGATGAAGCTGGGCTCCTTCGACTCCGTGCATCTGGGCTCGCCGAGCCTGCTGGAAGC
 TCTGTACCGCACAGAGAGCGGCATCCCCAGCGACTGGAGATCAAACCTTGAAAGCCTATCGCGACCAC
 AGGAACGAAGCCTACGGGTTGATGATCCTGGAAGGACAGGAGTGGCAAAGGTCGCGAGCGCCTCCAGA
 AGAAACTCATGAAGCCCGTGGAGATCATGAAGCTGGACAAGAAAATCAATGAGGTCTTGCTGACTTTCT
 AGAGCGCATGGATGAGCTGTGCGATGAGCGAGGCCGCATCCAGACCTGTACAGTGAAGTGAACAAGTGG
 TCCTTTGAAAGCATCTGCCTTGTTATATGAGAAGAGATTTGGGCTCCTTCAAAAGGAGACAGAAGAAG
 AAGCGCTGACCTTCAATACGGCCATCAAACGATGATGAGCACGTTTGGGAAGATGATGGTGACCCCGT
 GGAGTTGCACAAGCGCCTCAACACCAAAGTGTGGCAGGCACATACGCTGGCTTGGGACACCATTTTCAA
 TCAGTCAAACCTGCATCGACAACCGCCTACAGAGATAATCCAGCAGCCCGGGGAGATTTCTCTGTG
 ATATTTATCAGCAAGATCACCTTTCCAAGAAGGAACTGTACGCCGCTGTACGGAGCTGCAGCTCGCTGC
 AGTGGAGACGACCGCAACAGCTTGATGTGGATTCTCTACAATCTATCCCGAATCCTCAAGCGCAACGG
 AGACTCCTTCAGGAAGTTCAGAGCGTGTGCTGACAATCAGACGCCACGGGCGGAAGACCTGAGGAATA
 TGCCCTATTTAAAGGCCGTCTGAAAGAATCCATGAGGCTTACCCCAAGTGTGCCATTTACAACCTGGA
 CCTTGACAAACCAACGGTTCTGGGTGAATACGCTCTACCCAAAGGAACAGTGTTAACCTCAATACCCAA
 GTGCTGGTCTAGTGAAGACAATTTGAAGATTCTATAAGTTACAGACCGAACGCTGGCTTCAAAGG
 AGAAAAAGATCAACCCCTTCGCTCATCTCCATTGCGCATCGGGAAGAGAATGTGCATCGGGCGCCGGCT
 GGCTGAGTTACAGCTCCACCTGGCTCTCTGCTGGATAATCCAAAATACGACATTGTGGCCACAGACAAT
 GAACCTGTGGAGATGCTGCACCTTGGCATCCTGGTACCCAGCCGGGAGCTGCCAATTGCGTTCGGTCCAC
 GG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_201635

Insert Size: 1545 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_201635.3](#), [NP_963966.1](#)

RefSeq Size: 3212 bp

RefSeq ORF: 1545 bp

Locus ID: 25279

UniProt ID: [Q09128](#)

Cytogenetics: 3q42

Gene Summary: enzyme involved in vitamin D metabolism; linked to albuminuria, hyperlipidemia and atherosclerotic aorta lesions [RGD, Feb 2006]