

## Product datasheet for **RN210753**

### **Cyp11a1 (NM\_017286) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp11a1 (NM_017286) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp11a1
Synonyms:	Cyp11a; Cypxia1; P450(scc); P450scc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN210753 representing NM\_017286  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGCTGGCAAAGGTCTTTGCCTGCGCTCAGTGTGGTCAAAGCTGCCAACCTTCTGAGCCCTGTGT  
GGCAGGGTCCAGGGCTGGCCACTGGAAATGGAGCTGGTATCTCCTCTACCAACAGTCCTCGATCCTTCAA  
TGAGATCCCTTCCCTGGTGACAATGGTTGGATAAACCTGTACCCTTCTGAGGGAGAACGGCACACAC  
AGAATCCATTATCATCACATGCAGAATTTCCAGAAGTATGGCCCCATTTACAGGGAGAAGCTGGGCAACA  
TGGAGTCAGTTTACATCCTGGACCCTAAGGACGCAGCAGACTCTTCTCCTGCGAGGGTCTTAACCCGGA  
GCGCTACCTTGTCCCCCTGGGTGGCCTATCACCAGTATTACCAGAGGCCATTGGGGTACTGTTTAAAG  
AGTTCAGATGCCTGGAGGAAAGACAGAATTGCCTAAACCAAGAGGTGATGGCCCTGACTCCATCAAGA  
ACTTCGTGCCCTGCTGGAAGGTGTAGCTCAGGACTTCATCAAAGTCTTACACAGACGCATCAAGCAGCA  
AAACTCTGAAAGTTCTCAGGGGACATCAGCGATGACCTATTCCGCTTTGCCTTTGAGTCCATCACCAGT  
GTTGTATTTGGGAGCGCCTGGGGATGTTGGAGGAGATCGTGGACCCTGAGTCCCAGCGGTTTCATCGACG  
CCGTCTACCAGATGTTCCACACCAGTGTCCCATGCTCAACATGCCTCCAGACTTATTTGACTCTTTAG  
AACTAAGACCTGGAAGGACCATGCACTGCCTGGGATGTGATTTTCAGTAAAGCTGATGAATACACCCAG  
AACTTCTACTGGGACTTAAGGCAGAAGCGAGACTTCAGCAAGTACCCTGGTGTCTTTATAGCCTCCTGG  
GAGGCAACAAGCTGCCCTTCAAGAACATCCAGGCCAACATCACAGAGATGCTGGCAGGAGGGGTGGACAC  
GACCTCCATGACTCTGCAATGGAACCTTATGAAATGGCACACAACCTGAAGGTACAGGAGATGCTGCGG  
GCTGAAGTTCTAGCTGCCCGGCCAGGCCAGGGAGACATGGCCAAGATGGTCCAGTTGGTCCCCTCC  
TCAAAGCCAGCATCAAGGAGACTGAGACTCCACCCATCTCTGTGACCTTGACAGGATATATTGTGAA  
TGACCTGGTGCTTCGTAATTACAAGATTCCAGCCAAGACTTTGGTGCAGGTGGCTAGCTATGCCATGGGT  
CGAGAATCCAGCTTCTTTCCCAATCCAACAAGTTTGACCCAACCTCGTTGGTTGGAAAAAGCCAAAACA  
CCACGCACTTCCGGTACTTGGGCTTTGGCTGGGGTGTTCGGCAGTGTCTGGGCCGGCGGATTGCAGAACT  
GGAAATGACCATCTTCTCATCAACGTGCTGGAAAACCTCAGAATTGAAGTTCAAAGTATCCGTGATGTG  
GGGACCAAGTTCAACCTCATCTGATGCCTGAGAAGCCTATCTTCTTCAACTTCCAGCCTCTCAAGCAGG  
ACCTGGGCTCAACTATGCCCAGAAAAGGCGACTGTATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_017286

**Insert Size:** 1581 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\\_017286.3](#), [NP\\_058982.1](#)

**RefSeq Size:** 1780 bp

**RefSeq ORF:** 1581 bp

**Locus ID:** 29680

**UniProt ID:** [P14137](#)

**Cytogenetics:** 8q24

**Gene Summary:** monooxygenase that catalyzes synthesis of cholesterol and steroids [RGD, Feb 2006]