

## Product datasheet for **RN204575**

### **Cyp17a1 (NM\_012753) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp17a1 (NM_012753) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp17a1
Synonyms:	Cyp17
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204575 representing NM\_012753  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGAACTTGTGGTCTCTTGTGCTCATCTAGCCTATTTCTTTGGTCAAGTCAAAGACGCCCC  
 GTGCCAAGCTCCCAGGAGCCTTCCATCCCTGCCCTGGTGGCAGTCTGCCGTTTCTCCCAGAGTGG  
 TCATATGCATGTCAACTTCTTCAAGCTACAGGAAAAGTATGGTCCCATCTATTCTTTCGCTGGGTACC  
 ACAACTACAGTGATCATCGGCCACTATCAGCTGGCCAGGAGGTGCTCATCAAGAAGGAAAAGAATTCT  
 CTGGTCGGCCCCAGATGGTACTCAAAGCCTTGTGCGACCAAGGAAAGGCGTGGCCTTTGCAGATGC  
 TGGTAGCTCCTGGCACCTGCACCGAAGTTGGTGTTCAGCACCTTTCCCTGTTCAAGGATGGCCAGAAA  
 CTGGAGAAGCTAATCTGTGAGGAAGCAAGTCACTGTGTGATATGATGCTGGCACACGACAAGGAGTCCA  
 TAGACCTGTCCACGCCTATCTTCATGTGAGTAAACACATCATCTGTGCTATCTGCTTCAACATCTCTTA  
 TGAGAAAAATGATCCAAAAGTACCGCCATAAAGACCTTTACTGAGGGTATCGTGGATGCCACGGGCGAC  
 AGAAATCTGGTGGACATATCCCATGGTTGACGATTTTTCCCAACAAAGGCTTGGAGGTGATAAAGGGTT  
 ATGCCAAAGTTCGAAATGAAGTACTGACTGGAATATTTGAAAAGTGCAGGGAGAAGTTCGACAGTCACTC  
 TATCTCCAGCCTGACGGACATTCTGATTCAAGCCAAGTGAATTCAGACAACAACAACAGCTGTGAAGGC  
 CGGGACCCAGATGTGTTTCAGATAGGCACATCCTTGCCACGGTGGGAGACATCTTTGGGCGGGCATAG  
 AGACAACCTACACTGTGCTCAAGTGGATCCTGGCTTTCCTGGTGCACAATCCTGAGGTGAAGAAGAAGAT  
 CCAAAAGGAGATTGACCAAGTACGTAGGCTTCAGCCGAACCAACTTTCAATGACCGGTCTCACCTCCTC  
 ATGCTGGAGGCCACTATCCGAGAAGTGTGCGTATCAGGCCGGTGGCTCCCATGCTCATCCCCACAAGG  
 CTAACGTTGACTCCAGCATTGGAGAGTTACTGTCCCAAGGACACACATGTGGTTCGATCAATCTCTGGGC  
 ACTGCATCACGATGAGAATGAATGGGACCAGCCAGATCAGTTTCATGCCTGAACGCTTCTTAGATCCAACG  
 GGAAGCCATCTCATTACCCACGCAGAGTTACTTGCCCTTCGGAGCTGGTCCCCGATCCTGCATCGGAG  
 AGGCTCTGGCCCGTCAAGGAGCTCTTTGTCTTACGGCCTTGCTACTGCAGAGTTTGACTTGGATGTGTC  
 AGATGATAAACTGCCCCGCTGGAGGGTATCCCAAGGTAGTCTTTCTGATCGACCCTTTCAAAGTA  
 AAGATCACGGTGCAGGATGGATGGATGCACAGGCTGAGGTTAGCACCTAG

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_012753

**Insert Size:** 1524 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\\_012753.2](#), [NP\\_036885.1](#)

**RefSeq Size:** 1722 bp

**RefSeq ORF:** 1524 bp

**Locus ID:** 25146

**UniProt ID:** [P11715](#)

**Cytogenetics:** 1q54

**Gene Summary:** steroid hydroxylase that comprises a main component of the steroidogenic pathway; activity culminates in corticosteroid and androgen production in adrenal gland and sex steroid production in gonads [RGD, Feb 2006]