

## Product datasheet for **MC217392**

### **Cyp11a1 (NM\_019779) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp11a1 (NM_019779) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp11a1
Synonyms:	csc; Cyp11a; Cypxia1; D9Ert411e; P450sc; Sc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217392 representing NM\_019779  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGCTAAAGGACTTCCCTGCGCTCAGTGTGGTCAAAGGCTGCCAACCTTCTGAGCCCTACGT  
 GGCAGGGTCCAGTGTGAGTACTGGAAAGGGAGCTGGTACCTCTACTAGCAGTCCTAGGTCTTCAATGA  
 GATCCCTTCCCTGGCGACAATGGTTGGCTAAACCTGTACCCTTCTGGAGGGAGAGTGGCACACAGAAA  
 ATCCATTACCATCAGATGCAGAGTTTCCAAAAGTATGGCCCCATTTACAGGGAGAAGCTGGGCACTTTGG  
 AGTCAGTTTACATCGTGGACCCCAAGGATGCGTCGATACTTCTCATGCGAGGGTCCCAACCCGGAGCG  
 GTTCTTGTGCCCCCTGGGTGGCTATCACCAGTATTATCAGAGGCCATTGGGGTCTGTTTAAAGAT  
 TCAGATGCCTGGAAGAAAGACCGAATCGTCTAAACCAAGAGGTGATGGCGCTGGAGCCATCAAGAACT  
 TCGTGGCCCTGCTGGAAGGTGTAGCTCAGGACTTCATCAAAGTCTTACACAGACGCATCAAGCAGCAAAA  
 TTCTGAAATTTCTCAGGGGTCACTAGTGTGACCTATTCGGCTTTTCTTTGAGTCCATCAGCAGTGTT  
 ATATTTGGGGAGCGCATGGGGATGCTGGAGGAGATCGTGGATCCCGAGGCCACGGTTCATCAATGCTG  
 TCTACCAGATGTTCCACACCAGTGTCCCATGCTCAACCTGCCTCCAGACTTCTTTCGACTCCTCAGAAC  
 TAAGACCTGGAAGGACCATGCAGCTGCCTGGGATGTGATTTTCAATAAAGCTGATGAGTACACCCAGAAC  
 TTCTACTGGGACTTAAGGCAGAAGCGAGACTTCAGCCAGTACCCTGGTGTCTTTATAGCCTCCTGGGGG  
 GCAACAAGCTGCCCTTCAAGAACATCCAGGCCAACATTACCGAGATGCTGGCAGGAGGGGTGGACACGAC  
 CTCCATGACCCTGCAGTGAACCTTTATGAGATGGCACACAATTGAAGGTACAGGAGATGCTGCGGGCT  
 GAAGTCTGGCTGCCCGGCCAGGCCAGGGAGACATGGCCAAGATGGTACAGTTGGTTCACCTCCTCA  
 AAGCCAGCATCAAGGAGACACTGAGACTCCACCCATCTCCGTGACCTTGCAAGGTACACTGTGAATGA  
 CCTGGTGTCTCGTAATTACAAGATTCAGCCAAAGACTTTGGTACAGGTGGCTAGCTTTGCCATGGGTGCA  
 GATCCGGGCTTCTTCCCAATCCAAACAAGTTGACCCAACCTCGTTGGCTGGAAAAAAGCCAAAATACCA  
 CCCACTCCGGTACTTGGGCTTTGGCTGGGGTGTTCGGCAGTGTCTGGGCCGGCGGATTGCGGAGCTGGA  
 GATGACCATCCTCCTTATCAATCTGCTGGAGAACTTCAGAATTGAAGTTCAAAATCTCCGTGATGTGGG  
 ACCAAGTTCAGCCTCATCCTGATGCCTGAGAACCCATCCTCTTCAACTCCAGCCTCTCAAGCAGGACC  
 TGGGCCAGCCGTGACCAGAAAAGACAACACTGTGAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_019779

**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\\_019779.3](#), [NP\\_062753.3](#)

**RefSeq Size:** 1774 bp

**RefSeq ORF:** 1581 bp

**Locus ID:** 13070

**UniProt ID:** [Q9QZ82](#)

**Cytogenetics:** 9 31.63 cM

**Gene Summary:** Catalyzes the side-chain cleavage reaction of cholesterol to pregnenolone, the precursor of most steroid hormones.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (1).