

## Product datasheet for **MC217611**

### **Cyp2u1 (NM\_027816) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp2u1 (NM_027816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2u1
Synonyms:	8430436A10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217611 representing NM\_027816  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTCGCTCGGGACCAGCGTCCCAGCGGCAGGGGAGCAGCCGGGAGCTAGACTGCACGTGCGGGCGCA  
 CAGGAGGCGCGCTGCTACTTTGCCTGCTGGCGGTGCTGCTAGGCTGGGTTTGGCTGCGGGCGCAACGCGC  
 CTGCGGCATCCCTCCGGGCCAAAGCCTCGGCCACTCGTGGGTAACCTCGGGCACTTGTGGTGCCGCGC  
 TTTCTACGACCGCAGTTCTGGCTGGGCTCGGGCAGCCAGACGGACACGGTGGGCCAGCATGTGTACTGG  
 CCAGGATGGCCCGTGTCTATGGCAACATCTTCAGCTTCTTCATCGGCCACCGTCTGGTGGTGGTCTCAG  
 CGACTTCCACAGCGTGCGGAGGCGCTAGTGCAGCAGGCTGAAGTGTTCAGTGACCGCCCGGGATGCCG  
 CTCATCTCCATCATGACCAAGGAGAAGGGAATCGTGTTCGACACTATGGTCCAATTTGAAACAGCAGA  
 GGAGATTCTCCACTCGACGCTTCGTATTTCCGGTCTGGGCAAGCTCAGCCTGGAGCCAGGATCATCGA  
 GGAGTTTGCATACGTGAAAGAAGCCATGCAGAAGCACGGGGAGGCCCCCTTCAGCCCTTCCAATCATC  
 AGCAATGCCGTCTCCAACATCATCTGCTCCCTGTGCTTCGGCCAGCGCTTCGATTACACCAACAAGGAGT  
 TAAAAAGGTGTTGGATTCATGTCCCAGGGGTTGAAATCTGCCTGCACAGCCAGCTCTTCTGATCAA  
 CATATGCCCTGGTTTTACTACCTCCCCTTTGGTCCATTAAGGAGCTAAGGCAAATCGAAAGGGACATA  
 TCCTGTTCTCTGAAAAACATCATCCGAGAGCATCAAGAGTCTCTGGATGCCAGCAACCCTCAGGACTTCA  
 TAGACATGTACCTTCTGCACATGGAGGAAGAGCAGGGAGCCAGCAGGCGCAGCAGCTTCGACGAGGACTA  
 CCTGTTTACATCATTGGGGACCTTTCATCGCCGGCACTGACACCACGACCAACTCTCTGCTCTGGTGC  
 CTGCTGTACATGCTCACTGAACCCGACGTGCAAAAAAGGTTTCATGAAGAAATTTGAAAGGGTTCATTGGCT  
 GTGACCGTGCACCTTCCCTCACGACAAGGCCAGATGCCATACACAGAGGCCACCATCATGGAGGTGCA  
 GCGGCTGTCCATGGTGGTGCCGCTCGCCATTCTCACATGACCTCGGAGAAAACAGTCTCCAAGGGTTC  
 ACCATTCCCAAAGGCACAGTGGTCTAATCAACCTGTGGTTCAGTACACAGAGACCCAGCCATCTGGGAGA  
 AGCCAGACGACTTCTGTCTCATCGATTCTGGATGACCAAGGACAACCTTTGAAAAGAGAACTTTTAT  
 TCCTTTTGGGATAGGGAAGCGGGTGTGTATGGGAGAGCAGCTGGCCAAGATGGAGTTATTCTGATGTT  
 GTGAGCCTGATGCAGACTTTCACCTTTCGCTTACCTGAGGTTCCGAGAAGCCTGTCTGACTGGGAGAT  
 TTGGTCTAACACTGGCCCGCACCTTTAATGTAACCATCTCAAAGAGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_027816

**Insert Size:** 1593 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\\_027816.3](#), [NP\\_082092.2](#)

**RefSeq Size:** 2331 bp

**RefSeq ORF:** 1593 bp

**Locus ID:** 71519

**UniProt ID:** [Q9CX98](#)

**Cytogenetics:** 3 G3

**Gene Summary:** Catalyzes the hydroxylation of arachidonic acid, docosahexaenoic acid and other long chain fatty acids. May modulate the arachidonic acid signaling pathway and play a role in other fatty acid signaling processes (By similarity).[UniProtKB/Swiss-Prot Function]