

## Product datasheet for **RN209549**

### **Cyp2u1 (NM\_001024779) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp2u1 (NM_001024779) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2u1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN209549 representing NM\_001024779  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCTCGATCGGGGGCTGCGTCCCAGCGCCGGGAGCAGCCGGGAGTTGGGCCGCACCTACAGGCGG  
 TGGGAGGCGCGCTGCTGCTTTGCGGGCTGGCGGTCTGCTGGACTGGGTTTGGCTGCAGCGGCAGCGCGC  
 CGGCGGCATCCCTCCGGGCCAAAGCCTCGGCCACTCGTGGGTAACCTCGGGTACTTGTCTGCCGCGC  
 TTCTACGGCTGCACTTCTGGCTGGGCTCGGGCAGCCAGACAGTAGGCCGGCATGTGTACTCTGG  
 CCAGGCTGGCCGTGTCTATGGCAACATCTTCAGCTTCTTCATCGGCCACCGTCTGGTGGTGGTCTCAG  
 CGACTTCAGAGCGTGCAGGAGGCGCTTGTGCAGCAGGCCGAAGTGTTCAGTGACCGCCCGGGATGCCG  
 CTCATCTCCATCTTGACCAAGGAGAAGGAATCGTGTTCGCACACTATGGTCCGATCTGGAAGCAGCAGA  
 GAAGATTCTCCACTCAACCCTTCGTCCTTCGGCCTGGGCAAGCTTAGCCTGGAGCCAGGATCATCGA  
 GGAGTTCCGCTACGTGAAAGCAGAGATGCAGAAGCACGGGAGGCCCCCTTCAGCCCTTCCAGTCATC  
 AGCAATGCCGTCTCCAACATCATCTGCTCCCTGTGCTTCGGCCAGCGCTTCGACTACACCAACAAGGAGT  
 TAAAAAGGTGCTGGACTTCATGTCTCGAGGGTAGAAATCTGCTTGCACAGCCAGCTCTTCTGATCAA  
 CCTATGTCCTGGTTTTACTACCTTCCCTTTGGGCCGTTTAAAGAACTGAGGCAAATCGAAAGGGACATA  
 ACCTGCTTCTTAAAAACATCATCAAAGAGCACCAGAGTCTCTGGATGCCAACAACCCCGAGGACTTCA  
 TAGACATGTACCTTTCACACACGAGGAGGAGAAGGACAAGTGAAGGGCACCAACTTCGATGAGGACTA  
 CCTGTTTACATCATCGGGACCTTTCATCGCGGGCACGGACACCACAACCAACTCTTTGCTCTGGTGC  
 CTGCTGTACATGTCACCTGAACCCCGCGCTGCAAAAAAGGTTTCATGAAGAAATGAAAGGGTCATTGGCC  
 GTGACCGTGCACCTTCCCTCACAGACAAGGCCAGATGCCATACACAGAAGCCACCATCATGGAGGTACA  
 GCGGTTATCCATGGTGGTACCATTGCCATTCCCTCACATGACCTCGGAGAAAACAGTCTCCAAGGGTAC  
 AGTATTCTAAAGGCACAGTGGTCTACCAATTTGTGGTCCATACACAGAGACCCAGTCAATTTGGGAGA  
 AGCCAGACGACTTCTGTCTCATCGATTCTGGATGACCAGGGACAACCTTTGAAAAGAGAAACGTTTAT  
 CCCTTTTGGGATAGGGAAGCGGGTGTGTATGGGAGAGCAGCTGGCCAAGATGGAGCTATTCTGATGTTT  
 GTGAGCCTGATGCAGAGTTTACCTTTGCTTTACCTGAGGGCTCCGAGAAGCCCATCATGACCGGCAGAT  
 TTGGTCTAACATTGGCCCATCCCTTAATGTAACCGTCTCAAAGAGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001024779
- 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\\_001024779.1](#), [NP\\_001019950.1](#)

**RefSeq Size:** 2154 bp

**RefSeq ORF:** 1593 bp

**Locus ID:** 310848

**UniProt ID:** [Q4V8D1](#)

**Cytogenetics:** 2q43

**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]