

## Product datasheet for **MC216778**

### **Cyp2c70 (NM\_145499) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cyp2c70 (NM_145499) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2c70
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC216778 representing NM\_145499  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCTCTCTTCATCTTTCTGGGGATTGGCTTTCTTGTCTTTCTTTTCTTTTCTATGGAATCAGCACC  
 GTGGCAGAGGGAAGCTCCACCTGGCCCACTCCTTTACCAATTGTTGGAAATATTTGCAAGTAGATGT  
 TAAAAATATTAGCAAATCTATGGGCATGCTAGCAAAAAAGTATGGCCCTGTGTTACTGTATACCTGGGC  
 ATGAAGCCCACTGTGGTCTGCATGGATACAAAGCAATGAAGGAAGCTCTGATTGACCAGGGAGATGAGT  
 TTTCTGATAAAACGGATTTCATCGTTACTCAGTAGAACCAGCCAAGGCTTAGGCATCGTCTTCAGCAATGG  
 AGAAACATGGAACAAACCCGGCGTTTCTCCCTCATGGTCTTAAGGTCTATGGGGATGGGAAAGAAAAC  
 ATTGAAGACCGAATTCAGGAGGAAATCCTTTATATGTTGGATGCACTGAGAAAAACCAATGGCTCCCCT  
 GTGATCCTAGCTTCCTTCTGGCCTGTGTTCCCTGCAATGTGATCTCTACTGTCATTTCCAGCATCGATT  
 TGACTACAATGATCAGACATTCCAAGACTTCATGGAGAATTTTCATAGAAAAATAGAAATTTTAGCATCT  
 CCTTGGTCCCAGCTGTGCAGTGCCTACCCTATTTTATACTATCTCCCTGGAAATCCATAACAGATTCTTAA  
 AAGATGTGACTCAACAGAAAAAGTTCATCTTGGAGGAAATAAACAGGCATCAAAAATCTCTGGACCTCAG  
 TAACCCTCAGGACTTTATTGACTACTTCTTGATTAATAATGGAAAAGGAAAAACACAATCAAAAATCTGAA  
 TTTACTATGGATAACCTGGTTGTCAGCATAGGTGATCTTTTTGGAGCCGGAACAGAGACAACGAGTTCCA  
 CAGTGAATATGGGCTTTTGGCTCTGCTGAAGTACCCAGAAGTACAGCTAAAATTCAGGAAGAAATTCG  
 TCATGTGATTGGTAGACATCGGAGACCCACCATGCAGGACAGGAACCACATGCCGTACACTGATGCTGTG  
 TTGCATGAGATTGAGATACATTGATTTTGTCCCATTCCTCACCTCGTAAGACAACGCAGGATGTGG  
 AGTTCAGAGGATACCACATTCCTCAAGGGCACAAGTGAATGGCATGCTGACTTCTGCTGAATGATGA  
 CAAAGAATTTCCCAACCCAGAGAAGTTTGATCCTGGCCACTTTCTTGATGAGAAAAGGGAACCTTCAAAAAG  
 AGTACTACTTTGTGGCTTTCTCAGCAGGAAGAAGAGCTTGATTGGAGAAGGTCTGGCCCGCATGGAGA  
 TGTTTCTAATCCTGACCAACATCTTACAGCATTTTACTTTAAACCTCTGGTTAAACCAGAGGACATCGA  
 CACCAAGCCAGTTCAAACTGGTTTATTGCATGTGCCTCCACCCTTGAGCTCTGTTTCATTCCAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_145499
- Insert Size:** 1470 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\\_145499.2](#), [NP\\_663474.2](#)

RefSeq Size: 1709 bp

RefSeq ORF: 1470 bp

Locus ID: 226105

UniProt ID: [Q91W64](#)

Cytogenetics: 19 C3

**Gene Summary:** Cytochromes P450 are a group of heme-thiolate monooxygenases. In liver microsomes, this enzyme is involved in an NADPH-dependent electron transport pathway. It oxidizes a variety of structurally unrelated compounds, including steroids, fatty acids, and xenobiotics. [UniProtKB/Swiss-Prot Function]