

Product datasheet for **MC217071**

Cyp2r1 (NM_177382) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp2r1 (NM_177382) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp2r1
Synonyms:	MGC124198; MGC124199
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217071 representing NM_177382
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGGAGCTACCGGGAGCCCGGGCGTGCCTGGGGCGCTCGCGGGCGCTCTCCTGCTGCTCTTTCG
 TGCTGGTGGTCCGCCAGCTGCTGAGGCAGAGGCGACCGGGCGGCTTCCCCCGGGTCTCCGCGGCTGCC
 ATTTGTCGGCAACATCTGCTCCCTGGCCTTGTCGGCCGATCTTCCCCACGTCTACATGAGGAAGCAGAGC
 CGGGTGTATGGCGAGATTTTCAGTTTAGATCTTGGAGGCATATCAACTGTCGTTCTAAATGGCTATGATG
 TAGTAAAGGAATGCCTTGTTCATCAAAGTAAAATTTTGCAGATAGACCATGCCTTCCTTTGTTTCATGAA
 GATGACAAAAATGGGAGGCTTACTCAATCCAGATATGGTAGAGGATGGATTGATCACAGAAGGTTGGCT
 GTTAACAGCTTTCATTATTTTGAAGTGGCCAAAAATCTTTTGAATCTAAAATTTTAGAAGAACTTGGT
 CTTTAATTGATGCTATTGAAACATACAAAGGTGGACCTTTTGACCTCAAGCAACTGATAACAAATGCTGT
 TTCAAACATAACTAACCTTATCCTTTTTGGAGAACGATTCACTTATGAAGACACTGATTTTCAGCACATG
 ATTGAATTATTTAGTGAGAATGTGGAACAGCTGCCAGTCTCCAGTCTTCTTTATAATGCATTTCCAT
 GGATTGGCATCTTACCTTTTGGGAAACATCAAAGACTATTTAGAATGCAGATGGTCTATGATTTCTC
 CTCAGACTTATTGAAAAAGCTGCAGTCAATAGAAAGCCTCATTTACCTCACCATTTTGTGATGCCTAT
 TTAGATGAGATGGATCAAGGTCAAAATGATCCTTTATCTACATTTTCAAAGAGAATCTAATTTTTTCAG
 TGGGTGAACATCATATTGCTGGAAGTGAAGTACAACCAATGTGCTCCGCTGGGCAATCTTTTCATGGC
 CCTTTATCCTAATATTCAAGGACAAGTTCATAAAGAGATTGATTAATTGTTGGGCCACAACAGGAGACCT
 TCTTGGGAATACAAATGCAAAATGCCTTATACTGAAGCAGTTTACATGAAGTTTTAAGATTCTGTAATA
 TAGTCCACTGGGAATTTCCATGCAACTTCGGAAGATGCAGTTGTACGTGGCTATTCCATTCCAAAGG
 CACAACAGTCATTACAAATCTTTATTCTGTTCACTTTGATGAAAAGTACTGGAAAAGATCCAGACATGTTT
 TATCCTGAGCGATTTCTGGACAGCAATGGATATTTTACTAAAAAGGAAGCTTTGATTCTTTTTCTCTAG
 GGAGAAGACATTGCTTGGAGAACAGCTGGCTCGAATGGAATGTTCTTGTTTTTTACATCATTACTTCA
 GCAATTTCAATTTGCATTTTCCACATGAAGTCCAAATCTGAAGCCCAGGTTGGGCATGACATTACAA
 CCCAGCCCTACCTCATCTGTGCAGAAAGACGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_177382
- Insert Size:** 1506 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_177382.4](#), [NP_796356.2](#)

RefSeq Size: 1630 bp

RefSeq ORF: 1506 bp

Locus ID: 244209

UniProt ID: [Q6VWW9](#)

Cytogenetics: 7 F1

Gene Summary: Has a D-25-hydroxylase activity on both forms of vitamin D, vitamin D(2) and D(3).
[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the supported protein.