

## Product datasheet for **MC200802**

### Cyp2d10 (NM\_010005) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cyp2d10 (NM\_010005) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Cyp2d10  
**Synonyms:** AI303445; Cyp2d; P450-2D  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC010989 sequence for NM\_010005  
 CCACGCGTCCGGTGTACATTGAGTGTGTTTCATTGGTCTCTGGAAAGCCTGGGCAGAAGTGGGGCAGCC  
 ATGGAGCTGCTGACTGGGGCTGGCCTGTGGTCTGTGGCCATATTCACCGTTATCTTCATATTACTGGTGG  
 ACCTGATGCACCCGGCACCAGCGCTGGACTTCTCGCTACCCACCGGCCCTGTGCCATGGCCTGTGCTGGG  
 TAACCTGCTGCAGGTGGACCTGGATAACATGCCATACAGCTTGTACAAGCTTCAAAAACCGCTATGGTGAC  
 GTGTTGACCTGCAGATGGGCTGGAAGCCTATGGTTGTGATCAATGGACTGAAGGCAATGAAGGAAGTGC  
 TGGTACCTGTGGAGAGGACACTGCTGACCGCCCTCAAGTGCCCATCTTTGAGTACCTGGGTGTGAAGCC  
 TGGATCCCAAGGTGTGGTCTTGCACCCTACGGGCCCAGTGGCGAGAGCAGAGGCGATTCTCTGTGTCT  
 ACCCTGCGCAACTTTGGCCTGGCAAGAAATCACTGGAGGACTGGGTGACCAAGGAGGCCAGACACCTCT  
 GTGATGCCTTACCGCCCAGGCTGGGCAGCCCATCAATCCCAACACCATGCTGAACAACGCTGTGTGCAA  
 TGTGATTGCATCTCTATTTTTGCCCCGCTTTGAATATGAAGACCCTTACCTCATCAGGATGCAGAAA  
 GTACTGGAAGATAGTTTGACAGAAATCTCTGGCTTAATCCTGAGGTTCTTAATATGTTCCCATACTCC  
 TGGCATCCCAGGACTGCCTGGGAAGGTCTTCAAAGGTGAGAAGTCTTACTGGCCATAGTGGAATCT  
 GTTGACTGAGAATAGGAACACCTGGGACCTGACCAGCCACCCCGAAATTTGACTGATGCCTTCTGGCA  
 GAGATAGAGAAGGTAAAGGGGAATGCTGAGAGCAGCTTCAATGATGAGAACCTGCGCATGGTTGTGCTAG  
 ACCTGTTCACTGCAGGGATGGTGACCACCTCAACCACACTGTCTGGGCCCTGCTGCTCATGATCCTGCA  
 TCCGGATGTGCAGCGCAGAGTCCAACAGGAAATCGATGCGGTGATAGGGCAGGTGCGGCATCCAGAGATG  
 GCAGACCAGGCTCGTATGCCCTACACCAATGCTGTGCTTCAATCATGAGGTACAGCGCTTTGGGGACATTGCTC  
 CACTGAATTTGCCACGCATCACAAGTCGTGACATTGAAGTGCAGGACTTCTCATCCCCAAGGGGTCAT  
 CCTCATCCCCAACATGTCCTCCGTGCTGAAGGATGAGACTGTCTGGGAAAAGCCCTCCGCTTCCATCCT  
 GAACACTTCTCGATGCCAGGGCCACTTTGTGAAGCCTGAGGCCTTCATGCCATTCTCAGCAGGCCGAA  
 GATCATGCCTGGGTGAGCCCTGGCCCGCATGGAGCTTCTCTTCTTACGTGCCTCCTGCAGCACTT  
 TAGCTTCTCAGTGCCCAATGGACAGCCAGGCCTAGAAACCTTGGTGTCTTCTTTCCGGTTGCCCCC  
 TACCCCTACCAGCTCTGTGCTGTGATGCGTGAGCAAGGACACTAATCCAGTCATGGTAGGCAGGGCAGG  
 CTGAGCCATGCAAAATAAACCAATCTTGTGGCTGCAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI



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<b>ACCN:</b>	NM_010005
<b>Insert Size:</b>	1515 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC010989</a> , <a href="#">AAH10989</a>
<b>RefSeq Size:</b>	1660 bp
<b>RefSeq ORF:</b>	1515 bp
<b>Locus ID:</b>	13101
<b>UniProt ID:</b>	<a href="#">P24456</a>
<b>Cytogenetics:</b>	15 38.58 cM
<b>Gene Summary:</b>	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]