

Product datasheet for **MC201110**

Cyp4a10 (NM_010011) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Cyp4a10
Synonyms:	AI647584; Cyp4α; D4Rp1; Msp-3; RPI
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>BC010747 sequence for NM_010011 AACAGAAGAGTGGATGAAGTATGAGTGTCTCTGCTCTAAGCCCAACCCGATTTGCAGACAGCCTCTCTGG CTTCCTCCAAGTGGCCTCTGTGCTCGGTCTGCTCCTGCTGCTGGTGAAGCTGTCCAGTTCTACCTCCAC AGGCAATGGCTACTCAAGGCTTTCCAGCAGTTCCCATCACCTCCTTTTCACTGGTTCTTTGGGCATGAGC AGTTCAAAGGTGACCACGAACACAGGAAATTGTGCTGTCATAGAGAACTTCCAAGTGCCTTTCTAG ATGGTCTGGGGAAGCAAGGCCTACTTAAGTGTCTATGACCCTGACTACATGAAAGTATTCTGGGGCGA TCAGATCCAAAGGCTAATGGTGCCTACAGATTGCTAGCTCCTTGGATTGGGTATGGTTTGTCTTGTGTA ATGGACAGCCATGGTTCCAGCACAGGAGGATGCTAACCCAGCCTTCCACTATGACATTCTGAAACCTTA TGTGAAAAACATGGCCGACTCCATTGATTGCTAGACAAATGGGAACGGCTGGGTGATCAGGACTCC TCTATAGAGATCTTTCAACACATCTCCTTAATGACCCTAGACACTGTCTGAAATGTGCCTTCAGCCACA AGGGCAGTGTTCAGGTAGATGGAAATTACAGGACCTACCTCCAGGCCATTGGGGACTTGAATAACCTATT TCACTCCCGTGTGAGGAATATCTTTTCATCAGAATGATACCATCTACAACTTTCTTCCAATGGCCGCTTG GCCAAACAAGCTTGTCAACTTGCCCATGATCACACAGATGGAGTGATCAAGCTGAGAAAGGATCAGCTGC AGGATGAGGGAGAGCTGAAAAAGATCAAGAAGAAGAGACGTTTGGATTTTCTGGATATCCTTTTATTGTC CAGAATGGAGAATGGGGACAGCATGTCTGACAAGGACCTACGTGCTGAGGTGGACACATTCTATGTTGAG GGCCATGACACCACAGCCAGTGGAGTCTCCTGGATCTTCTATGCTCTGGCCACACACCCTGATCACCAC AGAGATGCAGAGAGGAAGTTTACAGACCTCCTGGGGATGGATCCTCTATCACCTGGGATCACCTAGACCA GATTCCTATACCAATGTGCATCAAGGAGGCCCTAAGGCTCTACCCACCTGTCCAGGCATTGTCAGA GAACTCAGTACATCTGTACCTTCCCTGATGGACGCTCTTTACCCAAAGGTGTCCAGGTCACTCTCCA TTTATGGTCTCCACCACAACCCGAAGGTGTGGCCAAATCCAGAGGTGTTTGACCCTTCCAGGTTTGCACC AGACTCTCCCCGACACAGCCACTATTCTGCCCTTCTCAGGAGGAGCCAGGAAGTGCATTGGGAAACAA TTTGCTATGAGTGAGCTGAAGGTGATTGTGGCCCTGACACTGCTCCGCTTCGAAGTACTGCCAGATCCTA CCAGGGTCCCCATGCCCTTAGCCCGACTTGTGCTGAAGTCCAAAAATGGGATCTACCTACATCTCAAGAA GCTCCACTGATACTGTTGTGGAGCTCCAATGTCTGAGAAGAGTTTCACTGGAGAAAGCTAAGTTGTGTTGT GTGACCTACCTTTTTCAGAAGAATACTCCAGAGAGTCTCTCATCTCTGTTTCAGTATAGATCATCATTC CTTGGCACTGGAATATTTCCCTGCTTCAAAGCCAGCACCTCCTCATCCCTCTCTTCTAATGTCCTTAC CTTTTACAGATGCTTATGACATCATTAAGATCCCTAAAAGCTCCAAGATAGTTTCCCATCTAAATGTAT CTTATTCAATCTAACCTACTAAGTTCTTCTGAATTATGAGGAATCATTCAATATGTACCATGGTCTCCA AAATCCAAGGCCTGAACATCATTGTGAAGACATTATTGAGCTTAGTATCATTTTTCACATGACAGTTACCT AATGTGTTCTATAATCTACCCTGCATAGTCTCTTCTACCTGATTAATCCTCACAGAGTTTCTCCAT CTTCCCTCCTTCTGCAATAAAGTTCCAGTGCATGCAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_010011
Insert Size:	1530 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC010747</u> , <u>AAH10747</u>
RefSeq Size:	2083 bp
RefSeq ORF:	1530 bp
Locus ID:	13117
UniProt ID:	<u>O88833</u>
Cytogenetics:	4 53.05 cM
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]