

Product datasheet for **MC203044**

Cyp4a12a (NM_177406) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp4a12a (NM_177406) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp4a12a
Synonyms:	BC025936; Cyp4a12
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC025936
 GTGATCCAGAAGCTGTTGTATCATGAGTGCCTCTGCTCTGAGCTCCATCAGATCCCAGGAAGCATCTCT
 GAGTACCTTCAAGTAGCCTCTGTGCTCAGCCTGCTCCTGCTGCTCTTCAAGACAGCCCAGCTCTACCTGC
 ACAGGCAATGGCTACTCAGCAGTACTCAGCAGTCCCATCCCCACCTTCTCACTGGCTCTTTGGACACAA
 GATCTTAAAGGACCAGGACCTTCAAGATATTCTAACTAGGATTAAGAATTTCCCAAGTGCCTGTCCACAG
 TGGCTCTGGGGAAGCAAAGTGCGCATTCAAGGTATGACCCTGACTACATGAAGCTGATTCTGGGAGAT
 CAGACCCAAAAGCTAATGGTTCCCTACAGATTTCTAGCTCCCTGGATTGGGCGTGGTTTGCTTCTGCTGGA
 TGGACAGACATGGTTTCAGCACCGACGAATGTTGACCCACGCTTCCACTATGACATTCTGAAGCCTTAT
 ACGGAAATCATGGCAGACTCTGTTCTGTGAATGCTGGATAAATGGGAACAGATTGTTGGCCAGGATTCCA
 CCCTGGAGATCTTTCGACACATCACCTTGATGACCTTGGACACCATCATGAAGTGTGCCTTCAGCCACGA
 GGGCAGTGTCCAGTTGGACAGAAAATACAAGTCTATATCCAGGCAGTTGAGGACCTGAACGATCTCGTT
 TTTTCCCGTGTGCGGAACATCTTTCACCAGAATGACATCATCTACAGAGTGCCTCTAATGGCTGCAAGG
 CTAACAGTGCCTGCAAACCTGCCATGATCACACAGACCAAGTATCAAATCAAGGAGGATTCAACTTCA
 GGATGAGGAAGAGTTGAAAAAGCTTAAGAAGAAAAGGCGATTGGATTTCTGGACATCCTCTATTTGCC
 AGAATGGAAAATGAAAAAGCTTATCTGATAAGGACCTTCGTGCTGAAGTGGATACTTTTCATGTTCCGAGG
 GCCATGACACCACAGCTAGTGGTATCTCCTGGATCTTCTATGCTTTGGCCACAAATCCTGAACATCAACA
 GAGATGCAGGAAGGAGATCCAAAGTCTCCTAGGAGATGGGACTTCTATACCTGGAATGACCTGGACAAG
 ATGCCCTATACTACCATGTGCATCAAGGAGGCCCTGAGGATCTACCCTCCTGTACCAAGTGTGAGCAGAG
 AGCTCAGCTCACCTGTACCTTTCCAGATGGACGTTCTTTACCCAAAGGTATCCATGTTATGCTGTCCCTT
 TTATGGCCTTCATCACAACCAACTGTGTGGCCAAATCCAGAGGTGTTTGATCCTTCTCGATTTGCACCA
 GGGTCTTCCCGGCACAGCCACTCATTCTGCCCTTCTCAGGAGGAGCAAGGAAGTGCATTGGGAAACAGT
 TTGCGATGAATGAGCTGAAGTGGCTGTGGCCCTGACCCTGCTCCGCTTTGAGCTGTCCAGATCCCAC
 CAGAGTCCCAATCCCCATACCAAGAATTGTGTTGAAGTCCAAGAATGGGATCCACTTGCATCTCAAAAAG
 CTCCAATAATCTTACAGGACAAGACAGCTCAAATGGCATGCTGCCTGCCATTCTGTCTTCTGTCACTT
 ACTCTTTTCCCAATCCTTCTGCTCACATCTCATTCTTTCTTCTCACCTTGTTCACCTCCACCCACCTTC
 TGCTGGGCTTCCAGTCTCCTTGCCTGTGCTGCTCTTTTCAACTTCTTCTGAGATCCCTACTTGCTTTTCTC
 TCTACCTGTCCCTAACCTGACTGCATGTTTACCTTTGACCTTAAATGATCTCCCTAACCTGCACCCTGCC
 TTTCTTCTGTGATTTTCTTCTTCTACCCTTGTCTATCCTTAAATGGGCTTATTCTGATGTCAT
 AATTAATAAAAGATAATGTGTGCTCTTGTGATTCTAGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_177406

Insert Size: 1527 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: [BC025936](#), [AAH25936](#)

RefSeq Size: 1945 bp

RefSeq ORF: 1527 bp

Locus ID: 277753

UniProt ID: [Q91WL5](#)

Cytogenetics: 4 52.91 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]