

Product datasheet for **MC216494**

Cyp39a1 (NM_018887) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp39a1 (NM_018887) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp39a1
Synonyms:	mCYP39A1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216494 representing NM_018887
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCATTATGGAGTTATTCTACCAATAGCAATCGCCGTTCTGGGAAGCTGTGTTCTTTTCTTATTCT
 CTCGGTTGAAGAATTTGCTTGGACCCCGTGCATCCAAGGCTGGATTCCCTGGATTGGAGCTGGACTTGA
 GTTTGGGAAAGCCCTCTTGAATTTATAGAAAAAGCAAGAATCAAGTATGGACCGGTATTTACCATCTTT
 GCTATGGGAAACCGAATGACCTTTGTTAGTGAAGAAGAAGGAATCAATGTGCTTCTAAAACTGAACATG
 TAGATTTTGAATCAGCAGTACAAAGTCTGTCTATCACACAGCATGGATTCCAAAGAATGTCTTCTCTGC
 ACTGCATGAGCGACTGTATGCCTTGATGAAAGGGAAGATGGGAACCTTCAACACACATCACTTTACTGGG
 CCGCTAACTGAAGAACTTCATGAGCAACTGGAAGGTTTAGGCACTCATGGAACAATGGACCTGAATGACT
 TTGTAAGGTATCTACTTTATCCAGCCACACTCAATACCCTCTTTAAGAAAGGTTGTTTCTCACAGACAA
 GAGGACAATCAAGGAATCTACCAGCAGTTTAAAACCTATGATGAGGGCTTTGAGTATGGCTCCCAGCTG
 CCTGAATGGCTTCTGAGAACTGGTCAAAATCCAAAAGATGGCTCCTGGCGCTGTTTGAGAAAAATATTG
 GCAACATAAAAAGCTCACGGATCTGCAGGTCACTTCTGGAACCTCTTGCAGGCCATATTGGAAGTGGTGA
 GACGGAACACGTCAATACAGTCCAAATATGACTGGTCTGACTTTGGGCTGCTCTGGCCAATGCTCCT
 CCTATTGCATTCTGGACACTTGGATATATCCTGTCTCATCCCATATCCACAGGACTGTTTTAGAAAGCA
 TATCTTCTGTGTTTGGCACTGCAGGTAAGACAAGATTAAGTGTCTGAAGATGACCTGAAGAAGCTTCT
 AATAATTAAGTGGTGCATTCTGGAATCTGTCCGCTTGAGAGCCCTGGTGCATTACTAGAAAGGTAGTG
 AAGCCAGTTAAAATCTGAATCACACAGTTCCTTCTGGTGATCTGCTGATGTTGTCTCCATTCTGGCTAC
 ACAGAAATCCAAAATATTTTCTGAACCTGAGTCATTCAAACCTGAACGCTGGAAGGCAAAATTTAGA
 TAAGTACATTTTCTGGACTACTTCATGGCATTGGAGGCGGGAAGTCCAGTGTCTGGAAGGTGGTTT
 GCTCTCTTAGAGATTCAACTATGCATTATCTTAGTGTGTATAAGTACGAATGCAGTCTTCTGGACCCAT
 TACCAAAGCAGAGTTCTCGTCATTTGGTGGTGTCCCCAGCCTGCAGGGAAATGCCGATTGAATATAA
 ACAAAGAGCT**TGA**

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_018887

Insert Size: 1413 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_018887.4](#), [NP_061375.1](#)

RefSeq Size: 3106 bp

RefSeq ORF: 1413 bp

Locus ID: 56050

UniProt ID: [Q9JKJ9](#)

Cytogenetics: 17 B3

Gene Summary: Involved in the bile acid metabolism. Has a preference for 24-hydroxycholesterol, and converts it into a 7-alpha-hydroxylated product.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).