

## Product datasheet for MC218322

### Cyp39a1 (BC037663) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp39a1 (BC037663) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cyp39a1
Synonyms:	mCYP39A1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC037663 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGCATTATGGAGTTATTCTACCAATAGCAATCGCCGTTCTGGGAAGCTGTGTTCTTTTCTTATTCT  
CTCGGTTGAAGAATTTGCTTGGACCCCCGTGCATCCAAGGCTGGATCCCTGGATTGGAGCTGGACTTGA  
GTTTGGGAAAGCCCTCTTGAATTTATAGAAAAAGCAAGAATCAAGTATGGACCGGTATTTACCATCTTT  
GCTATGGGAAACCGAATGACCTTTGTTAGTGAAGAAGAAGGAATCAATGTGCTTCTAAAACTGAACATG  
TAGATTTTGAATCAGCAGTACAAAGTCCTGTCTATCACACAGCATTGGATTCCAAAGAATGTCTTCTCTGC  
ACTGCACGAGAGACTGTATGCCTTGATGAAAGGGAAGATGGGAACCTTCAACACACATCACTTTACTGGG  
CCGCTAACTGAAGAATTTATGATCAACTGGAAGGTTTAGGCACTCATGGAACAATGGACCTGAATGACT  
TTGTAAGAAACTGGTCAAAATCCAAAAGATGGCTCCTGGCGCTGTTTGGAAAAATTTGGCAACATAAA  
AGCTCACGGATCTGCAGGTCATTCTGGAACCCTTTCAGGCCATATTGGAAGTGGTGGAGACGGAACA  
CGTCAATACAGTCCAAATATGGACTGGTCGTACTTTGGGCTGCTGGCCAATGCTCCTCTATTGCAT  
TCTGGCACTTGGATATATCCTGTCTATCCCGATATCCACAGGACTGTTTTAGAAAGCATATCTTCTGT  
GTTTGGCACTGCAGGTAAGACAAGATTAAGTGTCTGAAGATGACCTGAAGAAGCTTCTAATAATTAAG  
TGGTGCATTCTGGAATCTGTCCGCTTGAGAGCCCTGGTGTCTTACTAGAAAGGTAGTGAAGCCAGTTA  
AAATTCTGAATCACACAGTTCCTTCTGGTGTCTGCTGATGTTGTCTCCATTCTGGCTACACAGAAATCC  
AAAATATTTTCTGAACCTGAGTCATTCAAACCTGAACGCTGGAAGAGGCAAAATTTAGATAAGTACATT  
TTCTTGGACTACTTCATGGCATTGGAGGTGGGAAGTTCAGTGTCTGGAAGGTGGTTTGTCTCTTAG  
AGATCAACTATGCATTATCTTAGTGTGTATAAGTACGAATGCAGTCTTCTGGACCCATTACCAAAGCA  
GAGTTCTCGTCATTTGGTGGTGTCCCCAGCCTGCAGGAAATGCCGGATTGAATATAAACAAAGAGCT  
TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	BC037663
<b>Insert Size:</b>	1263 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="#">BC037663</a> , <a href="#">AAH37663</a>
<b>RefSeq Size:</b>	2244 bp
<b>RefSeq ORF:</b>	1262 bp
<b>Locus ID:</b>	56050
<b>Cytogenetics:</b>	17 B3
<b>Gene Summary:</b>	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]