

Product datasheet for **MG206671**

Cyp39a1 (BC037663) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp39a1 (BC037663) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cyp39a1
Synonyms:	mCYP39A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206671 representing BC037663 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCATTATGGAGTTATTCTACCAATAGCAATCGCCGTTCTGGGAAGCTGTGTTCTTTTCTTATTCT
CTCGGTTGAAGAATTTGCTTGGACCCCGTGCATCCAAGGCTGGATCCCTGGATTGGAGCTGGACTTGA
GTTTGGGAAAGCCCTCTTGAATTTATAGAAAAGCAAGAATCAAGTATGGACCGGATTTACCATCTTT
GCTATGGGAAACCGAATGACCTTGTAGTGAAGAAGAAGGAATCAATGTGCTTCTAAAACTGAACATG
TAGATTTGAATCAGCAGTACAAAGTCTGTCTATCACACAGCATGGATCCAAAGAATGTCTTCTGTC
ACTGCACGAGAGACTGTATGCCTTGATGAAAGGGAAGATGGGAACCTTCAACACACATCACTTTACTGGG
CCGCTAACTGAAGAATTCATGATCAACTGGAAGGTTTAGGCACTCATGGAACAATGGACCTGAATGACT
TTGTAAGAACTGGTCAAAATCCAAAAGATGGCTCCTGGCGCTGTTTGAGAAAAATATTGCAACATAAA
AGCTCACGGATCTGCAGGTCACTTCTGGAACCTCTTGACAGCCATATTGGAAAGTGGTGGAGACGGAACA
CGTCAATACAGTCCAAATATGGACTGGTCTACTTTGGGCTGCTCTGGCCAATGCTCCTCTATTGCAT
TCTGGACTTGGATATATCCTGTCTCATCCCGATATCCACAGGACTGTTTTAGAAAGCATATCTTCTGT
GTTTGGCACTGCAGGTAAGACAAGATTAAGTGTCTGAAGATGACCTGAAGAAGCTTCTAATAATTAAG
TGTTGCATTCTGGAATCTGTCCGCTTGAGAGCCCTGGTGTCTTACTAGAAAGGTAGTGAAGCCAGTTA
AAATTCTGAATCACACAGTTCCTTCTGGTATCTGCTGATGTTGTCTCCATTCTGGCTACACAGAAATCC
AAAATATTTTCTGAACCTGAGTCATTCAACCTGAACGCTGGAAGAGGCAAAATTTAGATAAGTACATT
TTCTTGGACTACTTCATGGCATTGGAGGTGGGAAAGTCCAGTGTCTGGAAGGTGGTTTCTCTCTTAG
AGATTCAACTATGCATTATCTTAGTGTGTATAAGTACGAATGCAGTCTTCTGGACCCATTACCAAAGCA
GAGTTCTCGTCATTTGGTGGGTGTCCCCAGCCTGCAGGGAAATGCCGGATTGAATATAAACAAGAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG206671 representing BC037663
 Red=Cloning site Green=Tags(s)

MGIMELFSPIAIAVLGSCVLFVLSRLKNLLGPPCIQGWIPWIGAGLEFGKAPLEFIEKARIKYGPVFTIF
 AMGNRMTFVSEEEGINVLLKSEHVDFESAVQSPVYHTAWIPKNVFSALHERLYALMKGKMGFTNTHHFTG
 PLTEEFHDQLEGLGTHGTMDLNDFVRNWSKSKRWLLALFEKNIGNIKAHGSAGHSGTLLQAILEVVETET
 RQYSPNYGLVVLWAALANAPPIAFWTLGYILSHPDIHRTVLESISSVFGTAGKDKIKVSEDDLKLLIIK
 WCILESIVRLRAPGVITRKVVKPKILNHTVPSGDLLMLSPFWLHRNPKYFPEPEFPERWKEANLDKYI
 FLDYFMAFGGKFCQPRWFALLEIQLCIILVLYKECSLLDPLPKQSSRHLVGVQPAGKCRIEYKQRA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC037663

ORF Size: 1262 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC037663](#), [AAH37663](#)

RefSeq Size: 2244 bp

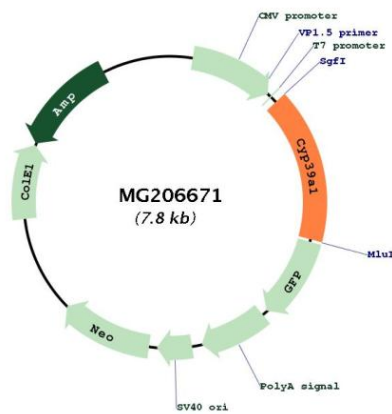
RefSeq ORF: 1262 bp

Locus ID: 56050

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]

Product images:



Circular map for MG206671