

Product datasheet for MR206671

Cyp39a1 (BC037663) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp39a1 (BC037663) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp39a1
Synonyms:	mCYP39A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206671 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCATTATGGAGTTATTCTACCAATAGCAATCGCCGTTCTGGGAAGCTGTGTTCTTTTCTTATTCT
CTCGGTTGAAGAATTTGCTTGGACCCCGTGCATCCAAGGCTGGATCCCTGGATTGGAGCTGGACTTGA
GTTTGGGAAAGCCCTCTTGAATTTATAGAAAAGCAAGAATCAAGTATGGACCGGATTTACCATCTTT
GCTATGGGAAACCGAATGACCTTGTAGTGAAGAAGAAGGAATCAATGTGCTTCTAAAACTGAACATG
TAGATTTTGAATCAGCAGTACAAAGTCTGTCTATCACACAGCATGGATCCAAAGAATGTCTTCTGTC
ACTGCACGAGAGACTGTATGCCTTGATGAAAGGAAGATGGGAACCTTCAACACACATCACTTTACTGGG
CCGCTAACTGAAGAATTCATGATCAACTGGAAGGTTTAGGCACTCATGGAACAATGGACCTGAATGACT
TTGTAAGAAACTGGTCAAAATCCAAAAGATGGCTCCTGGCGCTGTTTGAGAAAAATATTGGCAACATAAA
AGCTCACGGATCTGCAGGTCACTTCTGGAACCTCTTGCAGGCCATATTGGAAAGTGGTGGAGACGGAAACA
CGTCAATACAGTCCAAATATGGACTGGTCTACTTTGGGCTGCTCTGGCCAATGCTCCTCCTATTGCAT
TCTGGACACTTGGATATATCCTGTCTCATCCGATATCCACAGGACTGTTTTAGAAAGCATATCTTCTGT
GTTTGGCACTGCAGGTAAGACAAGATTAAGTGTCTGAAGATGACCTGAAGAAGCTTCTAATAATTAAG
TGTTGCATCTGGAATCTGTCGCTTGGAGCCCTGGTGTCTTACTAGAAAGGTAGTGAAGCCAGTTA
AAATTCTGAATCACACAGTTCCTTCTGGTATCTGCTGATGTTGTCTCCATTCTGGCTACACAGAAATCC
AAAATATTTTCTGAACCTGAGTCATTCAACCTGAACGCTGGAAAGAGGCAAAATTTAGATAAGTACATT
TTCTTGGACTACTTCATGGCATTGGAGGTGGGAAAGTCCAGTGTCTGGAAGGTGGTTTCTCTCTTAG
AGATTCAACTATGCATTATCTTAGTGTGTATAAGTACGAATGCAGTCTTCTGGACCCATTACCAAAGCA
GAGTTCTCGTCATTTGGTGGGTGTCCCCAGCCTGCAGGGAAATGCCGGATTGAATATAAACAAGAGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR206671 protein sequence
Red=Cloning site Green=Tags(s)

MGIMELFSPIAIAVLGSCVLFVLSRLKNLLGPPCIQGWIPWIGAGLEFGKAPLEFIEKARIKYGPVFTIF
 AMGNRMTFVSEEEGINVLLKSEHVDFESAVQSPVYHTAWIPKNVFSALHERLYALMKGKMGTFNTHHFTG
 PLTEEFHDQLEGLGTHGTMNDLVFRNWSKSKRWLLALFEKNIGNIKAHGSAGHSGTLLQAILEVVETET
 RQYSPNYGLVVLWAALANAPPIAFWTLGYILSHPDIHRTVLESISVFGTAGKDKIKVSEDDLKLLI
 WCILESURLRPGVITRKVVKPKILNHTVPSGDLMLSPFWLHRNPKYFPEPEFKPERWKEANLDKYI
 FLDYFMAFGGGKFQCPGRWFALLEIQLCIILVLYKECSLLDPLPKQSSRHLVGVQPAGKCRIEYKQRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC037663

ORF Size: 1260 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

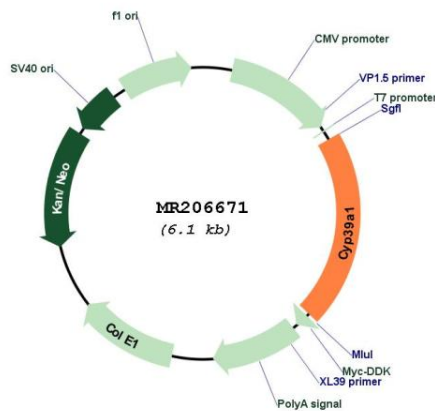
Locus ID: 56050

Cytogenetics: 17 B3

MW: 47.5 kDa

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 MR206671