

Product datasheet for MR229818

Cyp39a1 (NM_001285947) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp39a1 (NM_001285947) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cyp39a1
Synonyms:	mCYP39A1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR229818 representing NM_001285947 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCATTATGGAGTTATTCTACCAATAGCAATCGCCGTTCTGGGAAGCTGTGTTCTTTTCTTATTCT
CTCGGTTGAAGAATTTGCTTGGACCCCCGTGCATCCAAGGCTGGATTCCCTGGATTGGAGCTGGACTTGA
GTTTGGGAAAGCCCTCTTGAATTTATAGAAAAAGCAAGAATCAAGTATGGACCGGTATTTACCATCTTT
GCTATGGGAAACCGAATGACCTTTGTTAGTGAAGAAGAAGGAATCAATGTGCTTCTAAAACTGAACATG
TAGATTTTGAATCAGCAGTACAAAGTCCTGTCTATCACACAGCATGGATTCCAAAGAATGTCTTCTCTGC
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CCGCTAACTGAAGAACTTCATGAGCAACTGGAAGGTTTAGGCACTCATGGAACAATGGACCTGAATGACT
TTGTAAGAAACTGGTCAAAATCCAAAAGATGGCTCCTGGCGCTGTTTGGAAAAATATTGGCAACATAAA
AGCTCACGGATCTGCAGGTCATTCTGGAACCCTTTCAGGCCATATTGGAAGTGGTGGAGACGGAACA
CGTCAATACAGTCCAAATATGGACTGGTCGTACTTTGGGCTGCTGGCCAATGCTCCTCTATTGCAT
TCTGGCACTTGGATATATCCTGTCTCATCCGATATCCACAGGACTGTTTTAGAAAGCATATCTTCTGT
GTTTGGCACTGCAGGTAAGACAAGATTAAGTGTCTGAAGATGACCTGAAGAAGCTTCTAATAATTAAG
TGGTGCATTCTGGAATCTGTCCGCTTGAGAGCCCTGGTGTCTTACTAGAAAGGTAGTGAAGCCAGTTA
AAATTCTGAATCACACAGTTCCTTCTGGTGTCTGCTGATGTTGTCTCCATTCTGGCTACACAGAAATCC
AAAATATTTTCTGAACCTGAGTCATTCAAACCTGAACGCTGGAAGAGGCAAAATTTAGATAAGTACATT
TTCTTGGACTACTTCATGGCATTGGAGCGGGAAGTTCAGTGTCTGGAAGGTGGTTTGTCTCTTAG
AGATTCAACTATGCATTATCTTAGTGTGTATAAGTACGAATGCAGTCTTCTGGACCCATTACCAAAGCA
GAGTTCGTCATTTGGTGGTGTCCCCAGCCTGCAGGAAATGCCGGATTGAATATAAACAAAGAGCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229818 representing NM_001285947
 Red=Cloning site Green=Tags(s)

MGIMELFSPIAIAVLGSCVLFVLSRLKNLLGPPCIQGWIPWIGAGLEFGKAPLEFIEKARIKYGPVFTIF
 AMGNRMTFVSEEEGINVLLKSEHVDFESAVQSPVYHTAWIPKNVFSALHERLYALMKGKMGTFNTHHFTG
 PLTEELHEQLEGLGTHGTMDLNDFVRNWSKSKRWLLALFEKNIGNIKAHGSAGHSGLLQAILEVVETET
 RQYSPNYGLVVLWAALANAPPIAFWTLGYILSHPDIHRTVLESISVFGTAGKDKIKVSEDDLKLLI
 WCILESRLRAPGVITRKVVKPKILNHTVPSGDLLMLSPFWLHRNPKYFPEPEFPERWKEANLDKYI
 FLDYFMAFGGKFCQPRWFALLEIQLCIILVLYKECSLLDPLPKQSSRHLVGVQPAGKCRIEYKQRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

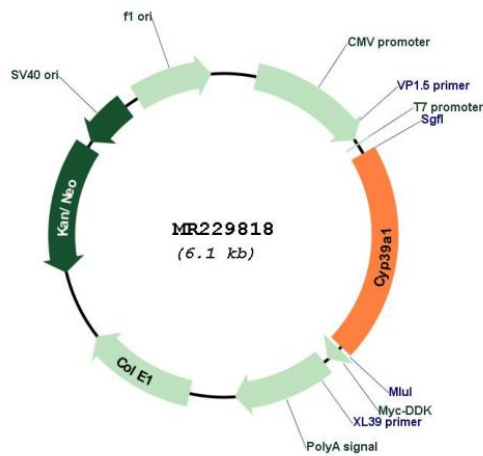
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001285947

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:	<ol style="list-style-type: none">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_001285947.1 , NP_001272876.1
RefSeq Size:	2956 bp
RefSeq ORF:	1263 bp
Locus ID:	56050
Cytogenetics:	17 B3
MW:	47.9 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]