

## Product datasheet for **MG206356**

### Cyp39a1 (BC021418) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cyp39a1 (BC021418) 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:	>MG206356 representing BC021418 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCATTATGGAGTTATTCTACCAATAGCAATCGCCGTTCTGGGAAGCTGTGTTCTTTTCTTATTCT  
CTCGGTTGAAGAATTTGCTTGGACCCCGTGCATCCAAGGCTGGATCCCTGGATTGGAGCTGGACTTGA  
GTTTGGGAAAGCCCTCTTGAATTTATAGAAAAAGCAAGAATCAAGTATGGACCGGTATTTACCATCTTT  
GCTATGGGAAACCGAATGACCTTTGTTAGTGAAGAAGAAGGAATCAATGTGCTTCTAAAACTGAACATG  
TAGATTTTGAATCAGCAGTACAAAGTCTGTCTATCACACAGCATGGATCCAAAGAATGTCTTCTCTGC  
ACTGCACGAGAGACTGTATGCCTTGATGAAAGGGAAGATGGGAACCTTCAACACACATCACTTTACTGGG  
CCGCTAACTGAAGAATTTATGATCAACTGGAAGGTTTAGGCACTCATGGAACAATGGACCTGAATGACT  
TTGTAAGGTATCTACTTTATCCAGCCCACTCAATACTCTCTTTAAGAAAGGGTTGTTTCTCACAGACAA  
GAGGACAATCAAGGAATTCTACCAGCAGTTTAAACCTATGATGAGGGCTTTGAGTATGGCTCCCAGCTG  
CCTGAATGGCTTCTGAGAACTGGTCAAATCCAAAGATGGCTCCTGGCGCTGTTTGGAGAAAAATTG  
GCAACATAAAAGCTCACGGATCTGCAGGTCATTCTGGAACCTCTGCAGGCCATTTGGAAGTGGTGGA  
GACGGAACACGTC AATACAGTCCAATATGGACTGGTCGACTTTGGGCTGCTCTGGCCAATGCTCCT  
CCTATTGCATTCTGGACACTTGGATATATCCTGTCTCATCCGATATCCACAGGACTGTTTTAGAAAGCA  
TATCTTCTGTGTTTGGCACTGCAGGTAAGACAAGATTAAAGTGTCTGAAGATGACCTGAAGAAGCTTCT  
AATAATTAAGTGGTGCATTCTGGAATCTGTCCGCTTGGAGAGCCCTGGTGTCTACTAGAAAGGTAGTG  
AAGCCAGTTAAAATCTGAATCACACAGTTCCTTCTGGTGATCTGCTGATGTTGTCTCCATTCTGGCTAC  
ACAGAAATCCAAATATTTCTGAACCTGAGTCATTCAAACCTGTGTTTGTCTCTTAGAGATTCAAC  
TATGCATTATCTTAGTGCTGA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG206356 representing BC021418  
Red=Cloning site Green=Tags(s)

MGIMELFSPIAIAVLGSCVLFVLSRLKNLLGPPCIQGWIPWIGAGLEFGKAPLEFIEKARIKYGPVFTIF  
 AMGNRMTFVSEEEGINVLLKSEHVDFESAVQSPVYHTAWIPKNVFSALHERLYALMKGKMGTFNTHHFTG  
 PLTEEFHDQLEGLGTHGTMDLNDFVRYLLYPATLNTLFKKGLFLTDKRTIKEFYQQFKTYDEGFYGSQ  
 PEWLLRNWSKSRWLLALFEKNIGNIKAHGSAGHSGTLLQAILEVVETETRQYSPNYGLVWLWAALANAP  
 PIAFWTLGYILSHPDIHRTVLEISSVFGTAGDKIKVSEDDLKLLI IKWCILESVRLRAPGVITRKVV  
 KPVKILNHTVPSGDLMLSPFWLHRNPKYFPEPESEFKPVVCSLRDSTMHYLSAV

TRTRPLE - GFP Tag - V

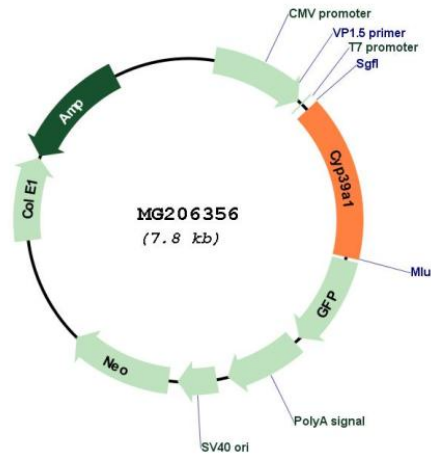
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

BC021418

<b>ORF Size:</b>	1212 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">BC021418.1</a>
<b>RefSeq Size:</b>	2359 bp
<b>RefSeq ORF:</b>	1214 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]