

## Product datasheet for **RR201009**

### Cyp39a1 (NM\_001106893) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Cyp39a1 (NM\_001106893) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Cyp39a1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR201009 representing NM\_001106893  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGGGCATTATGGAGTTATTCTACCAATAGCAATAGCCGTCCTAGGAAGCTGCGTTCTTTTCTATTCT  
 CTCGGTGGAGAATTTGCGTGGACCCCGTGCATCCAGGGTTGGATCCCTGGATCGGAGCTGGCTTTGA  
 GTTTGGGAAAGCCCTCTTGAATTTATAGAAAAAGCAAGAATCAAGTATGGACCAGTGTACTGTCTTT  
 GCTGTGGGAAAACGAATGACCTTTGTTACTGAAGAAGAAGGAATCAATGTCTTCTAAAGTCTAAGCATG  
 TAGATTTTGAATTAGCAGTACAACGCCCTCTCTACCACACAGCATGGATCCCAAAGAATATTTTCTCGC  
 ACTGCATGAAAACTGTATGTCTTGATGAAAGGGAAGTGGAACTTTCAACACACATCACTTTACTGGG  
 CAGCTGACTGAAGAATTCATGATCAACTGGAAGGTTTAGGCACTCATGGGACTATGGACCTGAATGACT  
 TTGTACGGTATCTACTTTATCCAGCCCACTCAATACTCTCTTTATGAAAGGGCTGTTTCTCACAGACAA  
 GAGGAAGATCAAGGAGTCTACCAGCATTTTAAACCTATGATGAGGGCTTTGAGTATGGCTCCCAGCTG  
 CCCGAATGGCTTCTGAGAACTGGTCAAATCCAAAAGATGGCTCTTGGCACTGTTTGAAGAAAATATTG  
 GAGACATAAAAACTCATGGATCTGCAGGTCATTCCGAAACCTTTTGCAGGCCGTCTGGGAATGGTGG  
 GACAGAGACAGTCTACACAGTCCAAATACGGACTGGTATGCTTTGGGCTTCTCTGGCCAATGCTGCT  
 CCTATTGCGTCTGGACACTTGCATATATCCTGTCTCATCCCGATCTGCACAGGACAATTGTAGAAAGCA  
 TATCTTCTGTGTTTGGCACTGCAGGTAAGACAAGATTCAAGTGTCTGAAAATGACTTGAAGAAGCTTCT  
 TCTAATTAAGTGGTGTATTCTGGAATCCATCCGCTTGAGAGCCCTGGGGTCACTACTAGGAAGGTAGTG  
 AAGCCAGTTAAATTTCTGAATCACACAGTCTTCTGAGATCTGCTGATGCTGTCTCCATTCTGGCTAC  
 ACAGAAATCCAAAATATTTCCCTGAACCAGAGTCTTTCAAACCTGAACGCTGGAAAGAGGCAATTTAGA  
 TAAGTACATTTTCTGGACTACTCATGGCTTTTCGGAGGCGGGAAGTTTCAGTGTCTGGAAGGTGGTTT  
 GCTCTCTTAGAGATTCAACTGTGATTATCTTAGTGTCTTATAAGTATGAGTGCAGTCTTCTGGATCCAT  
 TACCAAAGCAGGCAAAGTCTCTTCATTTGGTGGGTGTCCCCAGCCAGCAGGAAATGCCGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201009 representing NM\_001106893  
Red=Cloning site Green=Tags(s)

MGIMELFSPIAIAVLGSCVLFLLFSRWKNLRGPPCIQGWIPWIGAGFEFGKAPLEFIEKARIKYGPVFTVF  
 AVGKRMTFVTEEEGINVLLKSKHVDLAVQRPLYHTAWIPKNIFFALHEKLYVLMKGMGTFNTHHFTG  
 QLTEEFHDQLEGLGTHGTMDLNDFVRYLLYPATLNTLFMKGLFLTDKRIKEFYQHFKTYDEGFYGSQ  
 PEWLLRNWSKSKRWLLALFEKNIGDIKTHGSAGHSETLLQAVLGMVETETRLHSPNYGLVMLWASLANAA  
 PIAFWTLAYILSHPDLHRTIVESISSVFGTAGDKIQVSENDLKKLLLKWCILESTIRLRAPGVITRKVV  
 KPVKILNHTVPSGDLMLSPFWLHRNPKYFPEPESEFKPERWKEANLDKYIFLDYFMAFGGKFCQCPGRWF  
 ALLEIQLCIIILVLYKYECSLLDPLPKQAKFSSFGGCPPASREMPN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

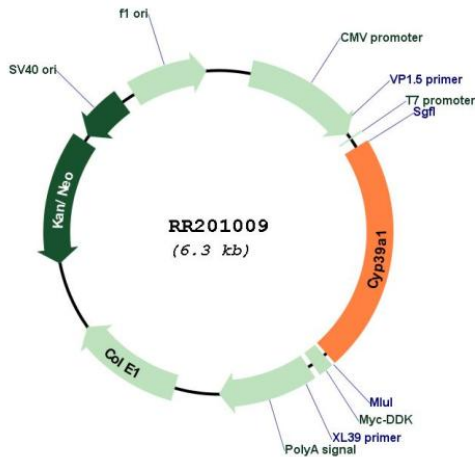
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_001106893
<b>ORF Size:</b>	1395 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="#">NM_001106893.1</a> , <a href="#">NP_001100363.1</a>
<b>RefSeq Size:</b>	3195 bp
<b>RefSeq ORF:</b>	1398 bp
<b>Locus ID:</b>	301264
<b>Cytogenetics:</b>	9q13
<b>MW:</b>	53.3 kDa