

## Product datasheet for **RR203508**

### Atp5mc3 (NM\_053756) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Atp5mc3 (NM\_053756) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Atp5mc3  
 Synonyms: Atp5g3  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >RR203508 representing NM\_053756  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTTTCGCCTGCGCCAAGCTCGCCTGCACCCCTCTCTGATCCGAGCTGGATCCAGAGTTCATACAGAC  
 CAATTTCTGCATCAGTGTATCTCGACCAGAGGCTAGTAGGACTGGAGAGGGCTCTACGGTATTTAATGG  
 GGCCAGAATGGTGTCTCAGCTAATCCAAAGGGAGTTTCAGACCAGTGAATCAGCAGAGACATTGAT  
 ACTGCTGCCAAATTTATGGTGCAGGTGCTGCAACAGTAGGAGTGGCTGGTTCTGGTCTGGTATTGGAA  
 CAGTCTTTGGCAGCCTTATCATTGGTTATGCCAGAAACCCTTCGCTGAAGCAGCAGCTGTTCTCATATGC  
 TATCCTGGGATTTGCCTGTCTGAAGCTATGGTCTCTTTGTTGATGGTTGCTTCTTGATTTTGT  
 GCCATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203508 representing NM\_053756  
 Red=Cloning site Green=Tags(s)

MFACAKLACTPSLIRAGSRVAYRPISASVLSRPEASRTGEGSTVFNGAQNGVSQLIQREFQTS AISRDID  
 TAAKFIGAGAATVGVAGSGAGIGTVFGLIIGYARNPSLKQQLFSYAILGFALSEAMGLFCLMVAFILIF  
 AM

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_053756

**ORF Size:** 426 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:** [NM\\_053756.1](#), [NP\\_446208.1](#)

**RefSeq Size:** 723 bp

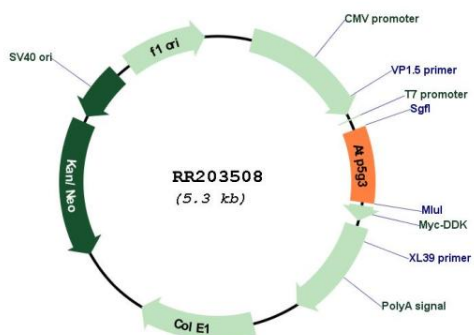
**RefSeq ORF:** 429 bp

**Locus ID:** 114630

**UniProt ID:** [Q71S46](#)

Cytogenetics: 3q23  
 MW: 14.7 kDa  
 Gene Summary: pancreatic expression is induced after ethanol consumption [RGD, Feb 2006]

**Product images:**



Circular map for RR203508