

Product datasheet for **RN215564**

Atp5mc1 (NM_017311) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp5mc1 (NM_017311) Rat Untagged Clone
Tag: Tag Free
Symbol: Atp5mc1
Synonyms: Atp5g1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN215564 representing NM_017311
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGACCAGAAAGGCACTGCTCATTCTCCAGTTCTGATCCGCTCCTGTACCAGGGTCTAATCAGGC
CTGTGTCTGCCTCCCTCCTGAGTAGACCAGAGGCTCCATCTAAAAAGCCTTCTGCTGCAGTCCCCTCT
CCAGGTGGCCAGACGGGAATCCAGACCAGTGTATTTCGCGGACATTGACACAGCAGCCAAGTTATT
GGTGCTGGGGCCGCACAGTTGGTGTGGCTGGATCAGGGGCTGGCATTGGCACAGTGTGGTAGCTTGA
TTATTGGCTATGCCAGGAACCCGCTCTCAAGCAGCAGCTTCTCCTATGCCATCCTGGGCTTTGCCCT
GTCTGAGGCCATGGGGCTTCTGTTTGTGGTGCCTTCTCATCCTCTTCGCCATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017311

Insert Size: 411 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



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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_017311.1](#), [NP_059007.1](#)

RefSeq Size: 561 bp

RefSeq ORF: 411 bp

Locus ID: 29754

UniProt ID: [Q06645](#)

Cytogenetics: 10q26

Gene Summary: isoform of mitochondril ATP synthase subunit 9; increased expression occurs in response to ethanol consumption [RGD, Feb 2006]