

Product datasheet for **RR215564**

Atp5mc1 (NM_017311) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp5mc1 (NM_017311) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp5mc1
Synonyms: Atp5g1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR215564 representing NM_017311
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCAGACCAGAAAGGCACTGCTCATTCTCCAGTTCTGATCCGCTCCTGTACCAGGGTCTAATCAGGC
CTGTGTCTGCCTCCCTCCTGAGTAGACCAGAGGCTCCATCTAAAAAGCCTCCTGCTGCAGTCCCCTCT
CCAGGTGGCCAGACGGAATCCAGACCAGTGTATTTCCGGGACATTGACACAGCAGCAAGTTTATT
GGTGTGGGGCCGCCACAGTTGGTGTGGCTGGATCAGGGGCTGGCATTGGCACAGTGTGGTAGCTTGA
TTATTGGCTATGCCAGGAACCCGTCTCTCAAGCAGCAGCTCTTCTCCTATGCCATCCTGGGCTTTGCCCT
GTCTGAGGCCATGGGGCTCTTCTGTTTGTGGTGCCTTCCTATCCTCTTCGCCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215564 representing NM_017311
Red=Cloning site Green=Tags(s)

MQTTKALLISPVLI R SCTRGLIRPVASLLSRPEAPSKKPSCCSSPLQVARREFQTSVISRDIDTAAKFI
GAGAATVGVAGSGAGIGTVFGSLIIGYARNPSLKQQLFSYAILGFALSEAMGLFCLMVAFILIFAM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



[View online »](#)

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:	<u>NM_017311.1</u> , <u>NP_059007.1</u>
RefSeq Size:	561 bp
RefSeq ORF:	411 bp
Locus ID:	29754
UniProt ID:	<u>Q06645</u>
Cytogenetics:	10q26
MW:	14.2 kDa
Gene Summary:	isoform of mitochondril ATP synthase subunit 9; increased expression occurs in response to ethanol consumption [RGD, Feb 2006]