

## Product datasheet for **RR201071**

### Atp5pd (NM\_019383) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp5pd (NM\_019383) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Atp5pd  
**Synonyms:** Atp5h; Atp5jd; Atpq  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR201071 representing NM\_019383  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGGGCGCAAACCTGCTCTAAAAACCATCGATTGGGTATCTTTTGTGGAGATCATGCCCCAAAC  
AGAAGGCAATTGGAAACGCTCTGAAGTCTGGAATGAGACCTCCACACCAGGTTGGCTAGTCTGTCTGA  
GAAACCACCGATTGACTGGGCTTACTACAGGGCCAATGTGGACAAGCCTGGCTTGGTGGATGATTTT  
AAAAACAAGTATAATGCTCTGAAGATCCCTGTGCCTGAGGATAAATACACAGCCCTAGTGGACGCCGAGG  
AGAAGGAGGATGTGAAGAACTGTGCCAGTTCGTGACTGGATCTCAGGCTAGGTCGGGAATATGAGAA  
GCAGCTGGAGAAAATAAAGAACATGATTCCTTTGACCAGATGACGATTGATGACTTGAATGAGGTCTTC  
CCTGAAACCAAGCTGGACAAGAGGAAGTACCCATACTGGCCCCATCAGCCCATCGAGAACCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR201071 representing NM\_019383  
Red=Cloning site Green=Tags(s)

MAGRKLALKTIDWVSFVEIMPQNQKAIGNALKSWNETFHTRLASLSEKPPAIDWAYRANVDKPLVDDF  
KNKYNALKIPVPEDKYTALVDAEEKEDVKNCAQFVTGSQARVREYEKQLEKIKNMIPFDQMTIDDLNEVF  
PETKLDKRKYPYPHQP IENL

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_019383

**ORF Size:** 483 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

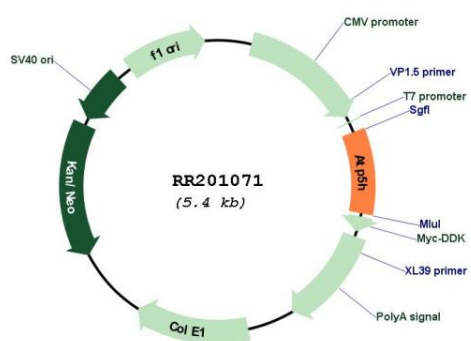
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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\\_019383.2, NP\\_062256.1](#)  
 RefSeq Size: 626 bp  
 RefSeq ORF: 486 bp  
 Locus ID: 641434  
 UniProt ID: [P31399](#)  
 Cytogenetics: 10q32.1  
 MW: 18.8 kDa  
 Gene Summary: subunit d of mitochondrial H(+)-ATP synthase [RGD, Feb 2006]

**Product images:**


Circular map for RR201071