

Product datasheet for **RN209183**

Atp5f1a (NM_023093) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp5f1a (NM_023093) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp5f1a
Synonyms:	Atp5a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209183 representing NM_023093
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGTCCGTGCGCATCGCCGCGCCGTGGCCGTGCCCTCCCTCGACGGGCGGGACTGGTCTCCAAA
 ATGCCTTGGGGTCATCTTTTGGTGTACAAGAAATCTCCATGCCTCTAACACTCGACTTCAGAAGACTGG
 CACTGCCGAGATGTCCTCATTCTCGAGGAGCGGATCCTTGGAGCTGATACTTCTGTTGACCTTGAAGAG
 ACTGGCCGTGTCTTAAGCATTGGTGTGGTATTGCCCGAGTGCATGGACTGAGGAACGTTCAAGCTGAGG
 AGATGGTAGAGTTTTCTCCGGCTTAAAGGGTATGTCCCTGAACTTGAACCCGACAATGTTGGAGTTGT
 CGTGTGGGAATGACAAGCTAATTAAGAAGGTGATATCGTGAAGAGAACAGGAGCCATCGTGGACGTT
 CCAGTTGGCGATGAACTGTTGGCCGTGTAGTTGATGCCCTGGGAAATGCCATTGATGGGAAGGGTCCAG
 TTGGTTCCAAGATTCGCAGACGAGTGGCCCTGAAAGCCCTGGAATTATCCCCGAATCTCTGTGCGGGA
 ACCAATGCAGACGGGCATCAAGGCTGTGGATAGCCTGGTCCGATTGGCCGAGGTCAGCGTGAGCTGATT
 ATTTGGAGACAGACAGCCGGGAAAACCTCGATTGCTATTGACACAATCATCAACCAGAAGCGTTTCAATG
 ATGGGACTGACGAGAAGAAGAACTGTACTGCATCTACGTTGCTATTGGTTCAGAAAACGGTCCACCCTTGC
 TCAGTTGGTGAAGAGACTGACAGACGCAGATGCCATGAAGTACACCATTGGTGTGAGCCACTGCCTCT
 GATGCTGCCCCGCTTCAGTACTTGGCTCCTTACTCCGGCTGCTCCATGGGAGAGTATTTCCGAGATAATG
 GCAAGCACGCTCTGATCATCTATGACGACTTATCCAAGCAGGCTGTTGCTTACCGCCAGATGTCTCTGCT
 GCTCCGCCGACCCCGGGTCGAGAGGCCATCCCGGTGATGTGTTTTACCTACACTCTCGCTGCTGGAG
 AGAGCAGCCAAGATGAACGATTCCTTTGGTGGTGGCTCTTTGACTGCCTTACCAGTCATTGAAACACAGG
 CTGGTGATGTGTCGCCCTACATTCCAACAAACGTTATTTCCATCACCGATGGACAGATCTTCTTGGAAAC
 AGAATTGTTCTATAAAGGCATCCGCCCTGCCATTAATGTGGGCTTGTCTGTGTCCCGTGTCCGATCTGCC
 GCCCAGACCAGAGCCATGAAGCAGGTGGCAGGCCATGAAGCTGGAGTTGGCCAGTACCGGGAGGTGCG
 CTGCTTTTGGCCAGTTGGTCTGATCTGGATGCTGCCACTCAGCAGCTTTGAGCCGTGGCGTGCCT
 GACCGAGCTGCTAAAGCAAGGACAGTACTCTCCCATGGCTATTGAAGAACAGGTGGCTGTCATCTATGCA
 GGCGTCCGGGTTATCTTGATAAAGTGGAGCCAGTAAGATCACAAAGTTCGAGAGTGTCTTTCTGTCTC
 ATGTTGTGAGCCAGCACCAGAGCCTCTTGGCAATATCAGGTCTGATGGGAAAATCTCAGAACAGTCGGA
 TGCAAAGCTGAAGGAAATCGTAACAAACTCTTGGCTGGGTTGAACCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_023093
- Insert Size:** 1662 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).

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_023093.1](#), [NP_075581.1](#)

RefSeq Size: 1871 bp

RefSeq ORF: 1662 bp

Locus ID: 65262

UniProt ID: [P15999](#)

Cytogenetics: 18q12.3

Gene Summary: mediates production of the majority of cellular ATP; binds ATP and ADP [RGD, Feb 2006]