

## Product datasheet for **RN201124**

### **Atp5f1b (NM\_134364) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Atp5f1b (NM_134364) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp5f1b
Synonyms:	Atp5b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201124 representing NM\_134364  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTGAGTCTTGTGGGCGTGTGGCCTCGGCCTCGGCCTCCGGGCCTTACGGGGACTCAACCCCTTGG  
 CGGCGCTGCCACAGGCGCATCTTCTACTACGAACCGCTCCCGCCGGGTCCATCCTGCCAGAGACTATGC  
 GGCGCAGTCGTCTGCGGCCCGAAGGCAGGCACCGCCACCGGGCAAATTGTGGCAGTCATCGGCGCCGTT  
 GTGGATGTCCAGTTCGATGAGGGATTACCACCTATCCTAAATGCCTTGGAAAGTGAAGGCAGGGAGAGCA  
 GACTGGTTTTGGAGGTAGCCAGCATTTAGGGGAGAGCACCGTCAGAACTATTGCTATGGATGGCACTGA  
 AGGCTTGGTTAGAGGCCAGAAAGTACTGGATTCGGGGGCACCAATCAAAATTCCTGTTGGTCTGAGACC  
 TTGGGCAGAATCATGAATGTCATTGGAGAACCTATTGATGAGAGAGGTCTATCAAACCAACAATTCG  
 CTCCTATTCATGCTGAGGCTCCTGAATTCATAGAGATGAGTGTTGAACAGGAAATTCGGTACTGGTAT  
 AAAGTTGTGGATCTGCTGGCCCATACGCCAAGGGTGGGAAAATCGGACTCTTCGGAGGTGCTGGTGT  
 GGAAAGACAGTACTGATCATGGAGCTAATCAACAATGTTGCTAAAGCCCATGGTGGTTATTCTGTATTTG  
 CTGGTGTGGTGAGAGGACCCGTGAGGGCAATGATTTATACCATGAAATGATTGAGTCTGGTGTATCAA  
 CCTAAAAGATGCCACTTCCAAGGTAGCGTTGGTATATGGGCAGATGAATGAACCGCTGGTCTCGTGCC  
 CGGGTAGCTCTGACTGGTCTGACTGTTGCTGAATACTTCAGAGACCAGGAAGGCCAAGATGTCCTGCTGT  
 TTATTGACAACATCTTCCGCTTCACCCAGGCTGGCTCAGAGGTATCTGCCTATTGGGCAGGATCCCGTC  
 TGCTGTAGGCTACCAGCTACCCTAGCCACTGACATGGGTACAATGCAGGAAAGAATCACCACCACAAG  
 AAGGGCTCGATCACCTCAGTGCAGGCTATCTATGTGCCAGCTGATGACCTGACTGACCCTGCCCTGCAA  
 CTACCTTTGCCATTTGGATGCTACTACTGTGCTGTCCCGTCTATTGCTGAGTTGGGCATCTATCCAGC  
 TGTGGATCCACTGGACTCCACCTCTCGAATTATGGATCCCAACATCGTTGGCAGTGAGCATTATGATGTT  
 GCTCGTGGGGTGCAAAAGATCCTGCAGGACTACAATCTCTCCAGGACATCATTGCCATCTTGGGTATGG  
 ATGAACCTTCTGAGGAAGATAAATTGACTGTGTCCAGGGCAAGGAAGATACAGCGCTTCTTGTACAGCC  
 ATTCCAGGTTGCTGAGGTCTTCACAGGTCACATGGGAAAGCTGGTGGCCCTGAAGGAGACCATTAAAGGA  
 TTCCAGCAGATCTTAGCAGGTGACTATGACCATCTCCCGAACAAGCCTTCTACATGGTGGGACCCATTG  
 AAGAAGCTGTGGCAAAGGCTGACAAGCTGGCAGAGGAGCATGGGTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_134364

**Insert Size:** 1590 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\\_134364.1](#), [NP\\_599191.1](#)

**RefSeq Size:** 1759 bp

**RefSeq ORF:** 1590 bp

**Locus ID:** 171374

**UniProt ID:** [P10719](#)

**Cytogenetics:** 7q11

**Gene Summary:** beta subunit of rat liver ATP synthase [RGD, Feb 2006]