

## Product datasheet for **RN208343**

### **Atp6v0a1 (NM\_031604) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Atp6v0a1 (NM_031604) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp6v0a1
Synonyms:	Atp6n1; Atp6n1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN208343 representing NM\_031604  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGGGAGCTTTTCCGAAGCGAGGAGATGACCCTGGCCAGCTCTTTCCAGTCCGAAGCTGCTTATT  
 GTTGTGCAGTGAATTAGGAGAAGTTGAAAGGTTTCAGTTCGGGATTTAAATCCAGATGTGAATGTTTT  
 CCAGAGGAAATTTGTGAATGAAGTTAGAAGATGTGAAGAAATGGATCGAAAACCCGGTTTGTGAGAAA  
 GAGATAAGAAAAGCTAACATCCCAATTATGGACACTGGAGAGAACCCTGGAGGTGCCCTTTCCAGGGACA  
 TGATCGACTTGGAGGCCAATTTGAGAAGATCGAAAACGAACTGAAGGAAATCAACACTAACAGGAAGC  
 TCTAAAGCGAACTTCTGGAAGTACTGAATTAATACTGCGCAAACTCAGCAGTTTTTCGAT  
 GAGATGGCGGATCCAGACCTGTTGGAAGAGTCTCATCACTCTGGAGCCAAACGAGATGGGAAGAGGCG  
 CGCCTTACGACTTGGCTTCGTAGCTGGTGTATTAACCGGGAACGGATCCCGACCTTTGAGCGCATGCT  
 TTGGCGAGTGTGCCGAGGGAATGTGTTCTGAGACAGGCTGAAATCGAAAACCCGCTGGAGGATCCCGTG  
 ACTGGCGACTACGTGCACAAGTCCGTGTTTCATCATTTTTTTCCAAGGTGACCAGCTGAAAAACAGGGTCA  
 AGAAAATCTGTGAAGGGTCCGAGCCTCCCTCTATCCCTGCTGAGACTCCACAGGAGAGAAAAGAAAT  
 GGCTTCCGGAGTCAATACCAGGATCGACGATCTCCAAATGGTTCTGAATCAGACAGAGGACCACCGCCAG  
 AGGGTTCTGCAGGCGGCTGCTAAGAACATCCGGGTGTGGTTTCAAGGTGCGGAAGATGAAAGCTATCT  
 ACCATACCCTGAACCTCTGCAACATCGATGTGACGCAGAAGTGCCTGATCGCGGAAGTCTGGTCCCCGT  
 CACTGACCTGGACTCCATCCAGTTTGCAGTGGCAAGGGGACGGAGCACAGCGGTTCCACTGTCCCTCC  
 ATCTGAAACAGGATGCAGACAAACCAGACACCCCGACGTATAACAAAACCAACAAGTTCACGCACGGCT  
 TCCAGAACATAGTGGATGCTTATGGGATCGGCACCTACCAGAAAATTAACCCAGCTCCGTACACCGTCAT  
 CACCTTCCCTTTCTGTTTGTCTGTGATGTTGGAGATTTGGGCACGGCATTTTGTGACTCTGTTTGTCT  
 GTGTGGATGTTGAGGAGAGCCGGATCCTCTCCAGAAGAACGAGAATGAGATGTTTAGCATGGTGT  
 TCAGCGGCCGATACATTATCCTTCTGATGGGACTGTTCTCCATCTACACTGGACTCATCTACAATGACTG  
 CTTTTCCAAGTCTCTGAATATCTTTGGGTATCATGGAGCGTACGGCCAATGTTCCACATAGGGAAGTGG  
 ACGGAGGAGACGCTCCTGGGAGTTCTGTCTCCAGCTGAACCCAGCTATCCCTGGAGTCTTTGGTGGCC  
 CTTACCCATTTGGCATTGATCCGATTTGGAACATCGCAACCAACAAGCTGACCTTCTCAACTCCTTCAA  
 GATGAAGATGTCAGTTATCTTTGGGATCATCCACATGCTGTTCCGGGTGACGCTGAGCCTTTTCAACCAC  
 ATCTATTTCAAGAAGCCCTGAACATCTACTTTGGCTTTATCCCGAGATAATCTTCATGCTCCTCGCTGT  
 TTGGCTACCTGGTCATCCTCATCTTTACAAGTGGACAGCCTACGATGCCCACTGCTAGAAAATGCCCC  
 GAGCCTCCTGATCCATTTATAAACATGTTCTCTTCTCCTACCCAGAGTCTGGTAACGCAATGCTGTAC  
 TCTGGACAGAAAGGAATTCAGTGTTCCTCATAGTGGTGGCAATGCTCTGTGTCCTGGATGCTGCTGT  
 TTAAGCCGTTGATCCTTCGCCATCAGTACCTGAGGAAGAAGCATTTGGGAAGTCTCAACTTTGGTGGGAT  
 CAGGGTGGGCAACGGACCGACAGAGGAGGATGCTGAAATATTTCAGCATGACCAGCTCTCCACCCATTCA  
 GAGGACGAGAAAGAGCCTACCGAGGACGAAGTGTGGACTTTGGCGACACCATGGTCCACCAGGCCATCC  
 ACACCATGAGTACTGCTTTGGGCTGCATCTCAACACTGCGTCTACCTGCGGCTCTGGGCCCTCAGCCT  
 GGCCCATGCACAGCTCTCTGAAGTACTGGACCATGGTATCCACATCGGCTGCATGTCCGGAGTCTG  
 GCAGGGGACTGGGGCTGTTTTTCATCTTCGCTGCCTTTGCCACCCTGACCGTGGCCATCCTGCTGATCA  
 TGGAAAGCCTCTCAGCCTTCTCCACGCACTGCGATTACTGGGTGGAATTCAGAAACAAATTCTACAC  
 TGGGACTGGTTTCAAGTTCCTCCCTTCTCCTTTGAGCACATTCGGGAAGGAAGTTTGTGAGTGA

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_031604  
**Insert Size:** 2517 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_031604.2</a> , <a href="#">NP_113792.2</a>
<b>RefSeq Size:</b>	4006 bp
<b>RefSeq ORF:</b>	2517 bp
<b>Locus ID:</b>	29757
<b>UniProt ID:</b>	<a href="#">P25286</a>
<b>Cytogenetics:</b>	10q31
<b>Gene Summary:</b>	may play a role in coupling ATP hydrolysis to proton translocation [RGD, Feb 2006]