

## Product datasheet for RN201017

### Atp4b (NM\_012510) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp4b (NM\_012510) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Atp4b  
**Synonyms:** S76401S1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN201017 representing NM\_012510  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGCCCTGCAGGAGAAGAAGTCATGCAGCCAGCGCATGGCCGAATCCGGCAATACTGTTGGAACC  
 CGGACACTGGGCAGATGCTGGGCCGCACCCAGCCCGGTGGGTGTGGATCAGCCTGTACTATGCAGCTTT  
 CTACGTGGTCATGACTGGGCTCTTTGCCTTGTGCATCTATGTGCTGATGCAGACCATTGATCCCTACACC  
 CCCGACTACCAGGACCAGTTAAAGTCACCGGGGTAACCTTGAGACCGGATGTGTATGGGAAAGAGGGC  
 TGCAGATTTCTACAACATCTCTGAAAACAGCTCCTGGGCTGGCCTCACACACACCTCCACAGCTTCTT  
 AGCGGGCTACACCCAGCATCCCAGCAGGACAGCATCAACTGTTTCGTCGAAAAGTACTTCTTCCAGGAG  
 ACCTTTTCTGCTCCGAACCATACCAAGTTCTCCTGCAAGTTCACGGCGGACATGCTACAGAATTGCTCAG  
 GCCTGGTGGACCCAGTTTCGGCTTTGAGGAGGGAAAGCCCTGCTTCATTATTAATGAACAGGATTGT  
 CAAGTTCCTGCCAGCAACAACACGGCTCCCCGAGTGGACTGCACCTCCAGGATGACCCCCAAAAGCCC  
 CGGAAGGACATTGAACCCCTGCAGTCCAGTACTATCCCCCAATGGTACCTTCAGTCTCCACTACTTCC  
 CCTACTACGGCAAGAAAGCACAGCCCCACTACAGCAACCCTCTGGTGGCGGCAAAGTTCTCAACGTC  
 CAAAAACAGCAAGTCTCATCGTGTGCAAGATCATGGCGGACCACGTGACCTTCGACAACCCCCACGAC  
 CCCTATGAAGGGAAGGTGGAGTCAAGCTACAATACAGAAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_012510  
**Insert Size:** 885 bp



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<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_012510.2</a> , <a href="#">NP_036642.2</a>
<b>RefSeq Size:</b>	1484 bp
<b>RefSeq ORF:</b>	885 bp
<b>Locus ID:</b>	24217
<b>UniProt ID:</b>	<a href="#">P18598</a>
<b>Cytogenetics:</b>	16q12.5
<b>Gene Summary:</b>	subunit of ATP dependent pump that catalyzes the exchange of H <sup>+</sup> and K <sup>+</sup> ; involved in secretion of stomach acids [RGD, Feb 2006]