

## Product datasheet for **MC207574**

### Atp6v1c1 (NM\_025494) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp6v1c1 (NM\_025494) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Atp6v1c1  
**Synonyms:** 1700025B18Rik; U13839  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207574 representing NM\_025494  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACTGAGTTCTGGCTCATATCTGCTCCTGGGGAGAAAACCTGTCAGCAAACATGGGAGAACTACATG  
 CAGCGACCACCAAGAACAATAATCTTGCCGTCTCTTCCAAGTTCAACATTCCTGACCTAAAGTTGGCAC  
 GTTGGATGTCTTGGTTGGCTTGTGGATGAAGTGGCTAACTGGATGCATTTGTAGAAGGTGGTCAAG  
 AAAGTGGCTCAGTACATGGCTGATGTGCTGGAGGACAGCAAAGATAAAGTTCCAGGAGAAGTTGCTGGCCA  
 GCGGAGTTGACTTGGTTACTTACATAACAAGGTTCCAGTGGGATATGGCTAAATATCCAATCAAGCAGTC  
 TCTGAAAAATATTTCTGAAATAATTGCCAAGGGAGTGACTCAGATCGATAATGACCTAAAGTCTCGGGCG  
 TCTGCATACAATAACCTGAAAGGGAATCTTCAGAAATTTAGAGCGAAAGAACGCGGGAAGTTTGCTAACGC  
 GAAGCCTGGCGGAAATCGTGAAGAAAGATGACTTTGTTCTTGATTCGGAGTATCTTGTACATTGCTGGT  
 GGTAGTCCCAAGCTGAACCACAATGACTGGATTAAGCAGTATGAAACGCTCGCAGAAATGGTAGTACCA  
 AGGTCAAGCAATGTTCTTTCAGAGGACCAAGACAGTTATCTTTGTAACGTCACCTTGTTTAGAAAAGCAG  
 TTGATGATTTTCAGACACAAGCCAGAGAAAACAAGTTCATAGTTGCTGACTCCAGTATAACGAGGAGGA  
 GATGAAAGCAGATAAAGAAGAAATGACCAGGCTGTCTACTGACAAGAAGAAGCAGTTTGGACCACTGTG  
 CGGTGGCTTAAAGTGAATTTTCAGTGAGGCGTTTATTGCGTGGATTCATATAAAAGCATTACGGGTTTTTG  
 TGGAGTCTGTTTTAAGGTATGGCTTGGCGTGAACCTCCAAGCAATGCTCCTTCAGCCGAATAAGAAGTC  
 AGTGAAGAAGCTAAGAGAAGTGTGCACGAGTTGTACAAGCATCTGGACAGCAGTGGCGTCCATCATT  
 GACGCTCCATGGATATCCCTGGCTAAACCTGAGTCAGCAGGAATACTACCCTATGTGTATTACAAGA  
 TTGATTGCAACTGCTGGAATTCAGTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



<b>ACCN:</b>	NM_025494
<b>Insert Size:</b>	1149 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>	<u><a href="#">NM_025494.3</a></u> , <u><a href="#">NP_079770.2</a></u>
<b>RefSeq Size:</b>	2117 bp
<b>RefSeq ORF:</b>	1149 bp
<b>Locus ID:</b>	66335
<b>UniProt ID:</b>	<u><a href="#">Q9Z1G3</a></u>
<b>Cytogenetics:</b>	15 B3.1
<b>Gene Summary:</b>	Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in its catalytic activity. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]