

## Product datasheet for **RN200745**

### Atp6v1c2 (NM\_001014199) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v1c2 (NM_001014199) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp6v1c2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200745 representing NM_001014199 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGAGTTTTGGCTTATTTCCGGCCCTGGCGATAAGGAAAATTTACAAGCTCTGGAGAGGATGAACA  
GCGTAACTCAAAGTCTAACCTGTCCCACAACACTAAATTTGCCATCCCAGACTCAAGGTGGGACCTT  
GGATCCCTTGTGGTCTCTCTGATGAGTTGGGAAACTCGATACCTTTGCTGAAAGCCTCATAAAGAGA  
ATGGCACAGAGTGTGGTGGAGGTCATGGAAGACTCCAAGGAAAAGTACACGAGAACCCTCGGCTAATG  
GAGTTGACCTGACATCCTTTGTGACACACTTCGAGTGGGACATGGCCAAATATCCTGCCAAGCAGCCACT  
GGTGGAGCGTGGTGGATACACTGGCCAAGCAACTGGCACAAATCGAGACAGACCTGAAGTCGCGAACAGCC  
GCCTACAGTGTCTGAAGGCCAACCTGGAGAAGTGGAGAAGAAAATCCACGGGGAACCTCTTCACTCGGA  
CACTGAGTGATATTGTCAGCAAGGAAGACTTCGACTCGATTCTGAATATCTCATAACCCTGCTGGTCAT  
CGTCCCAAGTCAAGCTATGTACAGTGGCAGAAGACATATGAGTCCCTATCGGACATGGTGGTCCCTCGG  
TCAACCAAATTGATCGCTGAGGACAATGAAGTGGTCTTTCACAGTGACTCTTTCCGAAAAGTGATTG  
AAGACTTCAAAGTCAAAGCCAAAGAAAACAAGTTCATTGTCCGGGAATTTACTATGATGAGAAAAGAAAT  
TAAAAGAGAGAGGGAAGAGATGACCAGGTTGCTGTCTGATAAGAAAACAACAGTATCAAATTCCTGTGTT  
GCTCTTAAAAAGGGATCAGCCACCTACCGTGACCACAAGGTTAAGGTAACCCCGTAGGTAACCCCTACTA  
GGCCTACTGCGGGGCAGAACGACAGAGAGAGTGGGGCGAGGGTGGGGACCTCTGCTGCGCTGGCTCAA  
GGTGAACCTCAGCGAGGCCTTTATTGCCTGGATCCACATAAAGGCCCTGAGAGTGTGGTGGAGTCTGTG  
CTCAGGTATGGACTTCCAGTGAACCTCCAGGCTGTGCTCCTGCAGCCCCATAAAAAGTCTGCCACCAAAC  
GCCTGAGAGAGGTGCTCAATTCGGTCTTCCGGCACCTGGATGAAGTTGCTGCAGCAAGCATACTGGATGC  
ATCCGTGGAGATCCCTGGCCTGCAGCTCAGCAACCAGGACTATTTCCCTACGTGTACTTCCACATCGAC  
CTCAGCCTTCTGACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_001014199
<b>Insert Size:</b>	1278 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_001014199.1</a></u> , <u><a href="#">NP_001014221.1</a></u>
<b>RefSeq Size:</b>	1595 bp
<b>RefSeq ORF:</b>	1278 bp
<b>Locus ID:</b>	362802
<b>UniProt ID:</b>	<u><a href="#">Q6AYE4</a></u>
<b>Cytogenetics:</b>	6q16
<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]