

## Product datasheet for **RN202026**

### Atp6v1d (NM\_199386) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp6v1d (NM\_199386) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Atp6v1d  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN202026 representing NM\_199386  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGGGCAAAGACCGGATTGAAATCTTCCCTTCGCGAATGGCACAGACCATCATGAAGGCTCGGTTAA  
AAGGAGCACAGACTGGTCGAAACCTCCTGAAGAAAAAGTCTGATGCCTTAACTCTTCGATTCGACAGAT  
CCTGAAGAAGATAATAGAGACTAAGATGCTGATGGGTGAGGTGATGAGAGAAGCTGCCTTCTCATTGGCT  
GAGGCCAAATTCACAGCAGGGGACTTCAGCACCACAGTTATACAAAATGTAATAAAGCCAGGTGAAGA  
TCCGAGCAAAGAAAGACAATGTAGCAGGTGTCACCTTACCAGTGTGTTGAACATTACCACGAAGGAAGTGA  
CAGCTATGAACTAACCGTTTAGCCAGAGGTGGGAGCAGCTGGCGAACTTAAGCGGAATTATGCCAAA  
GCAGTGGAACTACTGGTGGAACTGGCTTCCCTGCAGACTTCCTTTGTTACTCTGGATGAAGCCATTAAGA  
TAACCAACAGGCGTGTAAATGCTATTGAGCATGTCATCATTCCCCGATTGAACGCACCCTTGCTTATAT  
CATCACAGAACTGGATGAGAGAGAGCGAGAAGAATTCTATAGGTTAAAGAAAATCCAGGAGAAGAAAAAG  
ATTATCAAGGAGAAAAGCGAGAAGGACTTGGAGCGCGGAGAGCAGCTGGAGAGGTGATGGAGCCCGCCA  
ACCTCCTGGCGGAAGAGAAGGACGAGGACCTGCTGTTTCGAG**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_199386  
**Insert Size:** 744 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_199386.2</a> , <a href="#">NP_955418.1</a>
<b>RefSeq Size:</b>	1328 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	299159
<b>Cytogenetics:</b>	6q24
<b>Gene Summary:</b>	mouse homolog is subunit D of vacuolar (V-)ATPase; mediates acidification of intracellular organelles for processes such as protein sorting and receptor-mediated endocytosis [RGD, Feb 2006]