

## Product datasheet for **MC207734**

### Atp6v1d (NM\_023721) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp6v1d (NM\_023721) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Atp6v1d  
**Synonyms:** 1110004P10Rik; Atp6m; VATD; Vma8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207734 representing NM\_023721  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGGGCAAAGACCGGATTGAAATCTTCCCTTCGCGAATGGCAGACACCATCATGAAGGCTCGATTAA  
 AAGGAGCACAGACTGGTCGAAACCTTCTGAAGAAAAGTCTGATGCCTTAACTCTTCGATTCGACAGAT  
 CCTGAAGAAGATAATAGAGACTAAAATGCTGATGGGTGAAGTATGAGAGAAGCTGCCTTCTCATTGGCT  
 GAGGCCAAATTCACAGCAGGGGACTTCAGCACCACAGTTATCCAAAATGTAATAAAGCCCAAGTGAAGA  
 TCAGAGCAAAGAAAGACAATGTAGCAGGTGTTACCTTGCCAGTGTGTTGAACATTACCACGAAGGAAGTGA  
 CAGCTATGAACTGACCGTTTAGCCAGAGGTGGGAGCAGCTGGCTAAACTAAAGCGGAATTATGCCAAA  
 GCAGTGGAACTACTGGTGGAACTGGCTTCCCTGCAGACTTCCCTTGTACCCTGGATGAAGCCATTA  
 TCACCAACAGGCGTGTTAATGCCATTGAGCATGTCATTATCCCCGATTGAACGCACCCTTGCCTATAT  
 CATCACAGAACTGGATGAGAGAGAGCGAGAAGAATTCTATAGGTTAAAGAAAATACAGGAGAAGAAAAAG  
 ATTATCAAGGAAAAATTTGAGAAGGACTTGGAGCGCGGAGAGCAGCTGGAGAGGTGATGGAGCCTGCCA  
 ACCTGCTGGCTGAAGAGAAGGATGAAGACCTGCTGTT**CGAATAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_023721  
**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_023721.2</a> , <a href="#">NP_076210.1</a>
<b>RefSeq Size:</b>	1410 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	73834
<b>UniProt ID:</b>	<a href="#">P57746</a>
<b>Cytogenetics:</b>	12 35.51 cM
<b>Gene Summary:</b>	Subunit of the peripheral V1 complex of vacuolar ATPase. Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells, thus providing most of the energy required for transport processes in the vacuolar system. May play a role in cilium biogenesis through regulation of the transport and the localization of proteins to the cilium (By similarity).[UniProtKB/Swiss-Prot Function]