

Product datasheet for **MC220706**

Atp6v0a1 (BC071182) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v0a1 (BC071182) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp6v0a1
Synonyms:	ATP6a1, Atpv0a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC071182
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGGAGCTTTCCGGAGTGAGGAGATGACGCTGGCCAGCTATTTCTACAGTCTGAAGCTGCTTATT
 GCTGTGTCAGTGAATTAGGAGAGCTTGGGAAGGTCCAATTTCCGGATTTAAATCCAGATGTGAATGTTTT
 CCAGAGGAAATTTGTGAATGAAGTTAGAAGATGTGAAGAAATGGATCGAAAACTCCGATTTGTTGAGAAA
 GAGATAAGGAAAGCTAACATCCCAATTATGGACACCGGTGAAAACCCAGAGGTGCCCTTCCCTCGGGACA
 TGATCGACTTAGAGGCCAATTTGAGAAGATTGAAAATGAACTGAAGGAAATCAACACTAACCCAGGAAGC
 TCTGAAGAGAACTTCTGGAAGTACTGAATTAATTTATCCTGCGAAAAACCCAGCAGTTTTTCGAT
 GAGATGGCGGATCCAGACCTGTTGGAAGAGTCTCATCACTCTGGAGCCAAACGAGATGGGAAGAGGGC
 CACCTTACGACTTGGCTTTGTGGCTGGTGTATTAACCGGGAGCGGATCCCGACCTTTGAGCGCATGCT
 TTGGCGAGTGTGCCGAGGGAATGTGTTCTGAGACAAGCTGAAATCGAAAACCCGCTGGAGGATCCTGTG
 ACTGGCGACTACGTGCACAAGTCTGTGTTTCATCATTTTTTTTCCAAGGCGATCAGCTGAAAAACAGGGTCA
 AGAAAACTCTGTGAAGGGTCCGAGCCTCCCTCTATCCCTGCCCTGAGACTCCACAGGAAAGGAAAGAAAT
 GGCTTCCGGAGTCAATACCAGGATCGACGACCTCCAAATGGTTCTGAATCAGACGGAGGACCACCGCCAG
 AGGGTTCTGCAGGCAGCTGCTAAGAACATCCGCGTCTGGTTCAACAAGTGCAGGAAAGTGAAGGCTATCT
 ACCATACCCTGAACCTGTGCAATATAGACGTGACCCAGAAGTGCCTGATCGCAGAAGTCTGGTGCCTGT
 CACTGACCTGGACTCCATCCAGTTTGCACCTACGAAAGGCACGGAACACAGTGGGTCCACTGTCCCTCC
 ATTTCTGAACAGGATGCAGACAAACCAGACACCGCCGACATATAATAAAACCAACAAGTTCACGCACGGCT
 TCCAGAACATAGTAGATGCTTATGGGATCGGCACCTACCGAGAGATTAACCCAGCTCCGTACACTGTTCAT
 CACCTTCCCTTTCTGTTTGTGTGATGTTCCGGAGATTTGGGCACGGCATTTTGTGACGCTGTTTGTCT
 GTGTGGATGTTGTTGAGGAGAGCCGGATCCTCTCCAGAAACGAGAAATGAGATGTTTACGATGGTGT
 TCAGCGGCCGGTACATTATCTTCTGATGGGACTGTTCTCCATCTATACTGGACTCATCTACAATGACTG
 CTTTTCCAAGTCTCTGAATATCTTTGGGTATCGTGGAGTGTACGGCCAATGTTCACTCAAGGAACTGG
 ACGGAGGAGACGCTTCTGGGGAGTTCTGTTCTCCAGTTGAACCCCGCTATCCCTGGAGTTTTTGGTGGCC
 CGTACCCGTTTGGCATTGATCCGATTTGGAACATTGCAACCAACAAGCTGACCTTCTCAACTCCTTCAA
 GATGAAGATGTCTGTTATCCTCGGCATCATCCACATGCTGTTGGAGTCAAGCCTGAGCCTTTTCAACCAT
 ATCTATTTCAAGAAGCCCTGAACATCTACTTTGGCTTTATCCTGAGATCATCTTCATGCTCCTGTTGT
 TTGGCTACCTGGTCATCCTTATCTTTTACAAGTGGACAGCCTACGATGCCCACTGCTAGGAATGCCCC
 GAGCCTCCTGACCCACTTCATAAACATGTTCTCTTCTCCTACCCAGAGTCTGGTAATGCAATGCTGTAC
 TCTGGACAGAAAGGAATTCAGTGTTCCTCATCGTGGTGGCGATGCTCTGCGTCCCTGGATGCTTCTGT
 TTAAGCCGCTGATCCTTCGCCATCAGTACCTGAGGAAGAAGCATTTGGGAACTCTCAACTTTGGTGGGAT
 CAGGGTGGGCAACGGACCGACAGAGGAGGATGCTGAAATATTTCAGCATGACCAGCTTCCACCCATTCA
 GAGGACGAGAAAGAGTTTGAATTTGGCGACACCATGGTCCACCAGGCCATCCACACCATTTAGTACTGCT
 TGGGTTGATCTCCAACACCACGTCGTACCTGCGACTCTGGGCCCTCAGCCTGGCCACGCACAGCTCTC
 TGAAGTACTTTGGACCATGGTGTCCACATTGGCCTGCACGTCGGAGTTTGGCCGGGGTCTAGGGCTG
 TTTTTCATCTTCGCCGCTTTGCCACGCTGACCGTGGCTATCCTGCTGATCATGGAGGGCCTCTCGGCCT
 TCTCCACGCGCTGCGGTTACTGAGGTTCCAGAACAATTTACTACTGGGACTGGCTTCAAGT
 CCTCCCTTCTCTTTGAGCACATTCGGGAAGGGAAGTTTGTGAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: BC071182
Insert Size: 2499 bp

OTI Disclaimer:	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).
Components:	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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	BC071182 , AAH71182
RefSeq Size:	3980 bp
RefSeq ORF:	2498 bp
Locus ID:	11975
Cytogenetics:	11 64.04 cM
Gene Summary:	Required for assembly and activity of the vacuolar ATPase. Potential role in differential targeting and regulation of the enzyme for a specific organelle (By similarity). [UniProtKB/Swiss-Prot Function]