

## Product datasheet for **MR225607**

### **Atp6v0a1 (NM\_016920) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Atp6v0a1 (NM_016920) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atp6v0a1
Synonyms:	AA959968; ATP6a1; Atp6n1; Atp6n1a; Atpv0a1; Vpp-1; Vpp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR225607 representing NM\_016920  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGGAGCTTTTCCGGAGTGAGGAGATGACGCTGGCCAGCTATTTCTACAGTCTGAAGCTGCTTATT  
 GCTGTGTCAGTGAATTAGGAGAGCTTGGGAAGGTCCAATTTCCGGATTTAAATCCAGATGTGAATGTTTT  
 CCAGAGGAAATTTGTGAATGAAGTTAGAAGATGTGAAGAAATGGATCGAAAACCCGATTTGTTGAGAAA  
 GAGATAAGGAAAGCTAACATCCCAATTATGGACACCGGTGAAAACCCAGAGGTGCCCTTCCCTCGGGACA  
 TGATCGACTTAGAGGCCAATTTGAGAAGATTGAAAATGAACTGAAGGAAATCAACACTAACCCAGGAAGC  
 TCTGAAGAGAACTTCTGGAAGTACTGAAATTTATCCTGCGAAAACCCAGCAGTTTTTCGAT  
 GAGATGGCGGATCCAGACCTGTTGGAAGAGTCTCATCACTCTGGAGCCAAACGAGATGGGAAGAGGGC  
 CACCTTACGACTTGGCTTTGTGGCTGGTGTATTAACCGGGAGCGGATCCCGACCTTTGAGCGCATGCT  
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 AGAAAATCTGTGAAGGGTCCGAGCCTCCCTCTATCCCTGCCCTGAGACTCCACAGGAAAGGAAAGAAAT  
 GGCTTCCGGAGTCAATACCAGGATCGACGACCTCCAAATGGTTCTGAATCAGACGGAGGACCACCGCCAG  
 AGGGTTCTGCAGGCAGCTGCTAAGAACATCCGCGTCTGGTTCAACAAGTGCAGGAAAGTGAAGGCTATCT  
 ACCATACCTGAACCTGTGCAATATAGACGTGACCCAGAAGTGCCTGATCGCAGAAGTCTGGTGCCTGT  
 CACTGACCTGGACTCCATCCAGTTTGCACACTACGAAGAGGCACGGAACACAGTGGGTCCACTGTCCCTCC  
 ATCTGAAACAGGATGCAGACAAACCAGACACCGCCGACATATAATAAAACCAACAAGTTCACGCACGGCT  
 TCCGAACATAGTAGATGCTTATGGGATCGGCACCTACCAGAGATTAACCCAGCTCCGTCACTGTCACT  
 CACCTTCCCTTTCTGTTTGTCTGTGATGTTCCGAGATTTTGGGCACGGCATTGATGACGCTGTTTGTCT  
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 CTTTTCAAGTCTCTGAATATCTTTGGGTATCGTGGAGTGTACGGCCAATGTTCACTCAAGGAACTGG  
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 GATGAAGATGTCTGTTATCCTCGGCATCATCCACATGCTGTTGGAGTCAGCCTGAGCCTTTTCAACCAT  
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 GAGCCTCCTGATCCACTTCATAAACATGTTCTCTTCTCCTACCCAGAGTCTGGTAATGCAATGCTGTAC  
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 TTAAGCCGCTGATCCTTCGCCATCAGTACCTGAGGAAGAAGCATTTGGGAACTCTCAACTTTGGTGGGAT  
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 GGCCACGCACAGCTCTCTGAAGTACTTTGGACCATGGTATCCACATTGGCCTGCAGTCCGGAGTTTG  
 GCCGGGGTCTAGGGCTGTTTTTCATCTTCGCCGCTTTGCCACGCTGACCGTGGCTATCCTGCTGATCA  
 TGGAGGGCTCTCGCCCTTCTCCACGCGCTGCGGTTACTGGGTGGAGTTCAGAAACAATTCTACAC  
 TGGGACTGGCTTCAAGTCTCCCTTCTCCTTTGAGCACATTCGGAAGGGAAGTTTGTATGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR225607 representing NM\_016920  
 Red=Cloning site Green=Tags(s)

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MGELFRSEEMTLAQLFLQSEAAYCCVSELGELGKVQFRDLNPDVNVFQRKFNVEVRRCEEMDRKLRFVEK
EIRKANIPIMDTGENPEVPFPRDMIDLEANFEKIENELKEINTNQEALKRNFLTELKFI LRKTQQFFD
EMADPDLL EESSLLEPNEMGRGAPLR LGFVAGVINRERIPTFERMLWRVCRGNVFLRQAEIENPLEDPV
TGDYVHKSVFI IFFQGDQLKNRVKKICEGFRASLYPCPETPQERKEMASGVNTRIDDLQMVLNQTEDHRQ
RVLQAAAKNIRVWFIKVRKMKAIYHTLNL CNIDVTQKCLIAEVWCPVTDLDSIQFALRRGTEHSGSTVPS
ILNRMQTNQTPPTYNKTNKFTHG FQNI VDAYGIGTYREINPAPYTVITFPFLFAVMFGDFGHGILMTLFA
VWMLRESRILSQKHENEMFSMVFSGRYIILLMGLFSIYTGLIYNDCFSKSLNIFGSSWSVRPMFTQGNW
TEETLLGSSVLQLNPAIPGVFGGPYPGIDPIWNIATNKLTFLNSFKMKMSVILGIIHMLFGVSLSLFNH
IYFKKPLNIYFGFIPEIIFMSSLFGYL VILIFYKWTAYDAHSSRNAPSLLIHFINMFLFSYPESGNAMLY
SGQKGIQCFLIVVAMLCVPWMLLFKPLILRHQYLRKKHLGTLNFGGIRVGNPTEEDAEIIQHDQLSTHS
EDAEPEDEVEFDGDTMVHQAIIHTIEYCLGCISNTASYLRWALSLAHAQLSEVLWTMVIHIGLHVRS
AGGLGLFFIFA AFATLTVAILLIMEGLSAFLHALRLHWVEFQNKFYTGTFKFLPFSFEHIREGKDFE
  
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Reconstitution Method:**

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:** [NM\\_016920.4](#)

**RefSeq Size:** 4000 bp

**RefSeq ORF:** 2517 bp

**Locus ID:** 11975

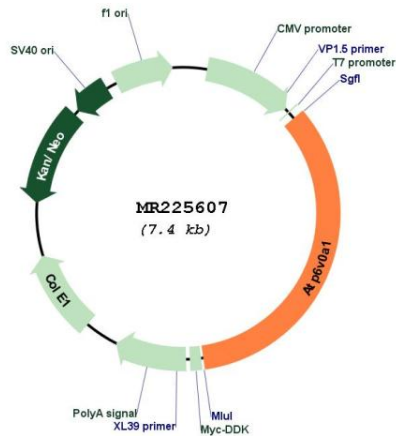
**UniProt ID:** [Q9Z1G4](#)

**Cytogenetics:** 11 64.04 cM

**MW:** 96.7 kDa

**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]

**Product images:**



Circular map for MR225607