

Product datasheet for **MG225607**

Atp6v0a1 (NM_016920) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v0a1 (NM_016920) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Atp6v0a1
Synonyms:	AA959968; ATP6a1; Atp6n1; Atp6n1a; Atpv0a1; Vpp-1; Vpp1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225607 representing NM_016920
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGGAGCTTTTCCGGAGTGAGGAGATGACGCTGGCCAGCTATTTCTACAGTCTGAAGCTGCTTATT
 GCTGTGTCAGTGAATTAGGAGAGCTTGGGAAGGTCCAATTTCCGGATTTAAATCCAGATGTGAATGTTTT
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 GAGATAAGGAAAGCTAACATCCCAATTATGGACACCGGTGAAAACCCAGAGGTGCCCTTCCCTCGGGACA
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 TCTGAAGAGAACTTCTGGAAGTACTGAAATTTATCCTGCGAAAACCCAGCAGTTTTTCGAT
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 AGAAAATCTGTGAAGGGTCCGAGCCTCCCTCTATCCCTGCCCTGAGACTCCACAGGAAAGGAAAGAAAT
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 GGCCACGCACAGCTCTCTGAAGTACTTTGGACCATGGTATCCACATTGGCCTGCAGTCCGGAGTTTG
 GCCGGGGTCTAGGGCTGTTTTTCATCTTCGCCGCTTTGCCACGCTGACCGTGGCTATCCTGCTGATCA
 TGGAGGGCTCTCGCCCTTCTCCACGCGCTGCGGTTACTGGGTGGAGTTCAGAAACAATTCTACAC
 TGGGACTGGCTTCAAGTCTCCCTTCTCCTTTGAGCACATTCGGAAGGGAAGTTTGTATGAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225607 representing NM_016920
 Red=Cloning site Green=Tags(s)

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MGELFRSEEMTLAQLFLQSEAAYCCVSELGELGKVQFRDLNPDVNVFQRKFNVEVRRCEEMDRKLRFVEK
EIRKANIPIMDTGENPEVPFPRDMIDLEANFEKIENELKEINTNQEALKRNFLTELKFI LRKTQQFFD
EMADPDLL EESSLLEPNEMGRGAPLRLGFVAGVINRERIPTFERMLWRVCRGNVFLRQAEIENPLEDPV
TGDYVHKSVFIIFFGDQLKNRVKKICEGFRASLYPCPETPQERKEMASGVNTRIDDLQMVLNQTEDHRQ
RVLQAAAKNIRVWFIVKVRMKAIYHTLNL CNIDVTQKCLIAEVWCPVTDLDSIQFALRRGTEHSGSTVPS
ILNRMQTNQTPPTYNKTNKFTHGQNI VDAYGIGTYREINPAPYTVITFPFLFAVMFGDFGHGILMTLFA
VWMLRESRILSQKHENEMFSMVFSGRYIILLMGLFSIYTGLIYNDCFSKSLNIFGSSWSVRPMFTQGNW
TEETLLGSSVLQLNPAIPGVFVGGPYPFIDPIWNIATNKL TFLNSFKMKMSVILGIIHMLFGVSLSLFNH
IYFKKPLNIYFGFIPEIIFMSSLFGYL VILIFYKWTAYDAHSSRNAPSLLIHFINMFLFSYPESGNAMLY
SGQKGIQCFLIVVAMLCVPWMLLFKPLILRHQYLRKKHLGTLNFGGIRVGNPTEEDAEIIQHDQLSTHS
EDAEPEDEVEVDFGDTMVHQAIIHTIEYCLGCISNTASYLRWALSLAHAQLSEVLWTMVIHIGLHVRS
AGGLGLFFIFAATLTVAILLIMEGLSAFLHALRLHWVEFQNKFYTGTFKFLPFSFEHIREGKDFE
  
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TRTRPLE - GFP Tag - V

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

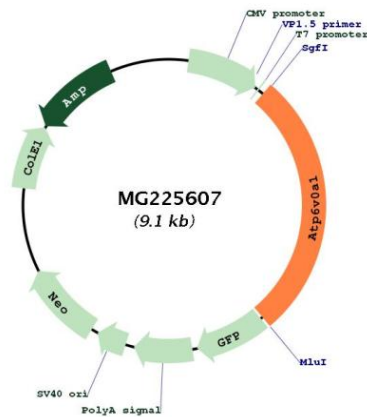
Locus ID: 11975

UniProt ID: [Q9Z1G4](#)

Cytogenetics: 11 64.04 cM

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 MG225607