

Product datasheet for MR202139

Atp6v0b (NM_033617) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp6v0b (NM_033617) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp6v0b
Synonyms: 2310024H13Rik; Atp6f; VMA16
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR202139 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGGGGCTGGAGTTGCTCTACCTCGGGATCTTTGTGGCCTTCTGGCCTGCATGGTCGTTGTGGGAA
TCTGCTACACCATCTTTGACCTGGGCTTTCGCTTTGATGTGGCATGGTTCCTGACGGAACTTCCCCCTT
CATGTGGTGAATCTGGGCATTGGCCTAGCAATTTCTCTGTCTGTGGTTGGAGCAGCCTGGGGAATCTAT
ATAACCGGCTCATCCATTATTGGGGTGGGGTAAAAACCCCAAGATCAAACCAAGAATTGGTTAGTA
TTATCTTCTGTGAAGCGGTGGCCATCTATGGCATCATCATGGCAATTGTCATCAGCAACATGGCTGAGCC
TTTCAGTGCTACGGAGCCCAAGGCCATTGGCCATCGAAACTACCATGCAGGTTACTCCATGTTTGGGGCT
GGCCTCACAGTCGGTCTGTCCAACCTGTTCTGTGGAGTCTGCGTGGGCATCGTGGCAGTGGGGCCGCC
TGGCAGATGCACAGAACCCAGCCTCTTTGAAAAATTCTCATCGTGGAGATCTTTGGCAGTGCCATTGG
CCTCTTTGGGGTCAATTGTTGCAATCCTTCAGACCTCCAGAGTGAAGATGGGTGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR202139 protein sequence
Red=Cloning site Green=Tags(s)

MTGLELLYLGI FVAFWACM VVVGICYTIFDLGFRFDVAWFLTETSPFMWSNLGIGLAISLSVVGAAWGIY
ITGSSIIIGGVKTPRIKTKNLVSIIFCEAVAIYGIIMAIVISNMAEPFSATEPKAIGHRNYHAGYSMFGA
GLTVGLSNLFCGVCVGIVGSGAALADAQNPSL FVKILIVEIFGSAIGLFGVIVAILQTSRVKMGD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_033617

ORF Size: 618 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:**
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_033617.1](#), [NM_033617.2](#), [NM_033617.3](#), [NP_291095.1](#)

RefSeq Size: 996 bp

RefSeq ORF: 618 bp

Locus ID: 114143

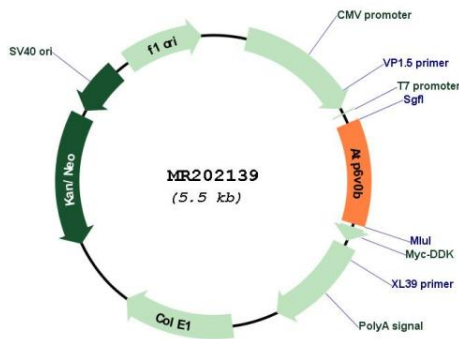
UniProt ID: [Q91V37](#)

Cytogenetics: 4 D2.1

MW: 21.6 kDa

Gene Summary: Proton-conducting pore forming subunit of the membrane integral V0 complex of vacuolar ATPase. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202139