

Product datasheet for **RR203306**

Atp6v0e2 (NM_001002253) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Atp6v0e2 (NM_001002253) Rat Tagged ORF Clone

Tag: Myc-DDK

Symbol: Atp6v0e2

Synonyms: NM9.2

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

ORF Nucleotide Sequence: >RR203306 representing NM_001002253
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGCCCATTCCTTTGCCCTTCTGTGCATCATCTTCACCACATTCTGGGCCTCATCGGCATCGCTG
GGCCCTGGTTCGTGCCAAAGGACCCAACCGTGGGTGATCATCACCATGCTGGTAGCTACTGCTGTCTG
CTGTTACCTTCTGGCTCATGCCATCTGGCCAGCTGAACCCCTATTTGGCCACAGCTGAAGAAT
GAGACCATCTGGTACGTGCGCTTCTGTGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203306 representing NM_001002253
Red=Cloning site Green=Tags(s)

MTAHSFALPVIIFFTFWGLIGIAGPWFVPKGNRGIITMLVATAVCCYLFWLIAILAQLNPLFGPQLKN
ETIWYVRFLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

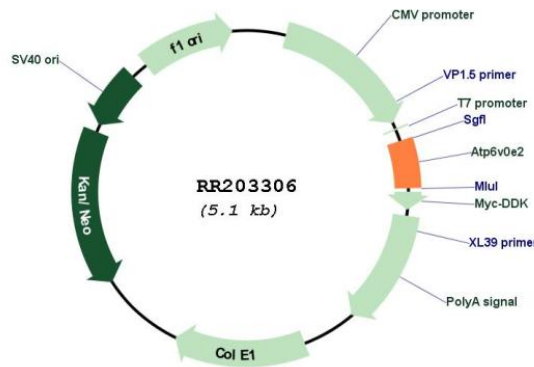


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001002253

ORF Size: 243 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:	<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:	<u>NM_001002253.1</u> , <u>NP_001002253.1</u>
RefSeq Size:	862 bp
RefSeq ORF:	246 bp
Locus ID:	436582
UniProt ID:	<u>Q5EB76</u>
Cytogenetics:	4q24
MW:	9.2 kDa
Gene Summary:	Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]