

Product datasheet for **MR200146**

Atp6v0e2 (NM_133764) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp6v0e2 (NM_133764) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp6v0e2
Synonyms: 0610006O14Rik; NM9.2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200146 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACAGCCCATTCCTTTGCCCTCCCTGTCATCATCTTCACCACATTCTGGGGCCTCATCGGCATCGCTG
GGCCCTGGTTCGTGCCAAAGGACCCAACCGGGGTGATCATCACCATGCTGGTAGCTACTGTCTG
CTGTTACCTCTTCTGGCTATTGCCATCTGGCCAACTGAACCCCTGTTGGCCACAACCTGAAGAA
GAGACCATCTGGTACGTGCGTTTCCTGTGGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR200146 protein sequence
 Red=Cloning site Green=Tags(s)
 MTAHSFALPVIIFFTTFWGLIGIAGPWFVPKGNPGRVVIITMLVATAVCCYLFWLIAILAQLNPLFGPQLKN
 ETIWYVRFLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_133764

ORF Size: 246 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.

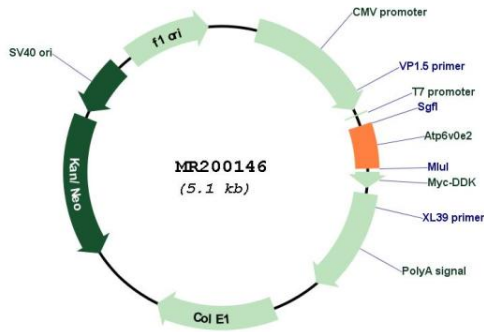
RefSeq: [NM_133764.1](#)

RefSeq Size: 1849 bp

RefSeq ORF: 246 bp

Locus ID: 76252
UniProt ID: [Q91XE7](#)
Cytogenetics: 6 B2.3
MW: 9.2 kDa
Gene Summary: Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200146