

Product datasheet for **MR210875**

Atp6v0a4 (NM_080467) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v0a4 (NM_080467) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atp6v0a4
Synonyms:	a4; Atp6n1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR210875 representing NM_080467
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCATCTGTGTTTCAAGTGAGGAGATGTGTTTATCCCAAGTGTTCCTCCAGGTGGAGGCTCGTATT
GCTGTGTAGCTGAGCTGGGAGAGCTTGGCTTGGTTCAGTTCAAAGATCTAAATGCAAATGTGAACAGCTT
CCAGAGGAAGTTTGTGAATGAAGTCCGAAGGTGTGAGTCACTGGAGAGAATCCTGCGTTTTCTGGAAGT
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TCTTCTCAATGGGCGCTATTTGATCCTGCTCATGGGTATCTTCTCCATCTACACCGCTTGTCTACAA
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Protein Sequence: >MR210875 representing NM_080467
 Red=Cloning site Green=Tags(s)

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MASVFRSEEMCLSQVFLQVEAAYCCVAELGELGLVQFKDLNANVNSFQRKFNVEVRRCESLERILRFLED
EMQNEILIQVPEKDAETPLPREMITLETTLEKLEGEQEANQSHQALKKSFLELTELKYLKKTQDFFET
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RQRLLQEAAANWHSWIKVQMKAVYHVLNMCNIDVTQQCIIAEIWFVPVADTRHIKKALEQGMELSGSSM
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FNHIYFRRTLNIILQFIPEMIFMLSLFGYLVFMIIFKWCRYDAHTSRKAPSILIHFIGMFLFDYDDSSNA
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VFIIFAVFAVLTVAILLVMGLSAFLHALRLHWVEFQNKFYEGAGSKFSPFSFKHVLEGTAAE
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_080467

ORF Size: 2499 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_080467.3](#), [NP_536715.3](#)

RefSeq Size: 3300 bp

RefSeq ORF: 2502 bp

Locus ID: 140494

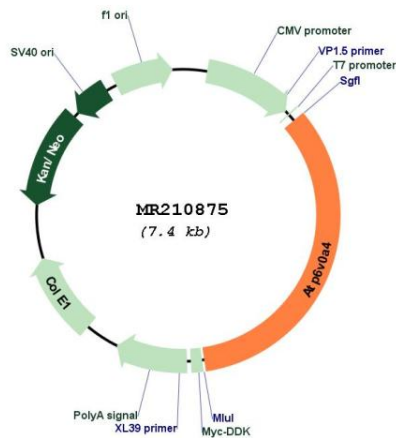
UniProt ID: [Q920R6](#)

Cytogenetics: 6 B1

MW: 96.1 kDa

Gene Summary: Part of the proton channel of the V-ATPase that is involved in normal vectorial acid transport into the urine by the kidney.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210875