

Product datasheet for **RN214523**

Atp6ap1 (NM_031785) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6ap1 (NM_031785) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp6ap1
Synonyms:	Atp6s1; C7-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214523 representing NM_031785
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGCGGCAACAGTGGTATCTCGGATACGAACCGGGACCGGTGGGCTCCAGTCTGTGGCTGCTTC
 TGTCTGGTGGCAGTGGCGGCAGCAGTGGCTGCGGAGCAGCAGGTGCCACTGGTACTGTGGTCGAGTGA
 CCGGGACCTCTGGGCTCCTGTGGCCGACACACATGAGGGTCATATTACCAGCGATATGCAGCTTTCTACC
 TACTTAGACCCTGCCCTGGAGCTGGGCCCCCGCAATGTATTGCTGTTCCCTGCAGGACAAGCTGAGCATTG
 AGGATTTACAGCATAACGGTGGTGTGTTTGAAAATAAACAGGACAGTGCCTTTTCTAACCTGGAGAATGC
 CCTGGACTTGGCCCCCTCCTCACTGGTACTTCTGCTGTGGACTGGTATGCAATCAGCACTCTGACCACC
 TACCTACAGGAGAAGCTTGGAGCTAGTCCCTTGCATGTGGATCTAGCTACCCTAAAGGAGCTGAAGCTCA
 ATGCCAGCCTTCCCTGCCCTGCTGCTCATCCGTCTGCCCTACACAGCCAGCTCCGGTCTGATGGCGCCAG
 GGAGGTCTTACAGGTAATGATGAGGTATCGGACAGGTACTGAGCACACTTGAGTCTGAAGATGTTCTCT
 TACACCGCGGCTCTTACTGCAGTCCGCCCTTCTAGAGTGGCCCGTATGTAGCCATGGTGGCTGGGGGTC
 TAGGTCGCCAGCTGCTTCAGACTCAGGTGGCATCACCTGCGATCCATCCTCCTGTGAGTTACAATGACAC
 TGCCCCAAGGATCCTGTTTTGGGCACAAAACCTTCTGTGGCATACAAAGACGAATGAAAAGACTTGACC
 TCCCTCACCTTTGGTGTGGAGAACTTAACTTGACCGGCTCCTTCTGGAATGACTCCTTTGCCATGCTTT
 CACTGACCTATGAACCACTCTTTGGTGAACAGTGACATTCAGTTCAAGTTCATTCTGGCTAGTCGCTTCTACCC
 AGTATCTGCCGATATTGGTTTACCATGGAACGACTTGAAATCCACAGCAATGGCTCGGTTGCCATTTTC
 AATGTTTCCCAAGTACAGGACCTAGTATCTATTCTTTCCACTGTGAGTACGTACGACAGTCTGAGCAAGA
 AAGGCACTCTCCTGTGACCAACGTGCCCTCCCTGCGCAGATGACTCTTCATAACTTCCAGATCCAAGC
 CTCAATGTGACTGGTGAACAGTTCTCCTATGCTAGCGACTGTGCTGGCTTCTTCTCCGGGCATCTGG
 ATGGGGCTGCTCACCCCTCTTCATGCTTTTTCATATTACCTATGGTCTGCACATGATACTCAGCCTAA
 AGACCATGGATCGCTTTGATGACCGCAAGGGCCCCACCATCACTTTGACCCAGATTGTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_031785

Insert Size: 1392 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_031785.1](#), [NP_113973.1](#)
RefSeq Size: 2089 bp
RefSeq ORF: 1392 bp
Locus ID: 83615
UniProt ID: [O54715](#)
Cytogenetics: Xq37
Gene Summary: subunit of a vacuolar H(+)-ATPase complex [RGD, Feb 2006]