

Product datasheet for **RN204905**

Atp6v1a (NM_001108318) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v1a (NM_001108318) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp6v1a
Synonyms:	Atp6v1a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN204905 representing NM_001108318
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTCTCCAAGCTACCCAAAATCCGTGATGAAGACAAAGAAAGCACATTTGGTTATGTGCATGGAG
 TCTCAGGGCCTGTGGTCACCGCCTGTGACATGGCGGGCGCTGCCATGTACGAGCTGGTGAGAGTGGGGCA
 CAGCGAGCTGGTCGAGAGATTATCCGACTGGAAGGTGACATGGCCACCATTAGGTGTACGAGGAAACT
 TCTGGTGTCTCTGTTGGAGACCCTGACTCCGCACTGGTAAACCTCTCTCGGTAGAACTTGGTCCTGGCA
 TTATGGGAGCCATTTTGGTATTAGAGACCTCTATCGGATATCAGCAGTCAGACCCAAAGTATCTA
 CATCCCCAGAGGAGTAAATGTGTCTGCTCTTAGCAGAGATATCAAATGGGAGTTTATACCCAGCAAAAAC
 CTACGGGTTGGTAGTCATCACTGGTGGAGATATTTATGGGATTGTCAATGAGAACTCGCTCATCAAAC
 AAAAAATCATGCTACCCCAACGAGCCGAGGAAGTGTGACTTACATCGCACCCCTGGGAACTACGATGC
 CTCTGATGTCGCTGGAGCTTGAATTTGAAGGTGTGAAGGAGAAGTTGAGCATGGTCCAAGTGTGGCCT
 GTGCGTACAGTGGCCCTGTCACTGAAAAGCTGCCAGCCAACCACCCCTTGTACTGGCCAGAGAGTGC
 TCGATGCCCTTTCCCGTGTGTTCAAGGAGGAACTACTGCTATTCCAGGTGCTTTTGGCTGTGGGAAGAC
 TGTGATTTCCAGTCTCTATCCAAGTACTCCAACAGCGATGTGATTATCTATGTCGGCTGCGGTGAAAGA
 GGGAAATGAGATGTCAGAAGTTCTCCGGGACTTCCCTGAGCTCACTATGGAAGTTGATGGTAAAGTAGAGT
 CCATCATGAAGAGGACAGCGCTGGTAGCCAATACCTCCAATATGCCTGTGGCTGCAAGAGAGGCCTCCAT
 TTACACTGGAATTACACTATCAGAATACTCCGTGACATGGGGTACCACGTCAGTATGATGGCTGACTCT
 ACCTCTAGATGGGCTGAGGCCCTCAGAGAAATCTCTGGTCGCTTAGCTGAAATGCCTGCAGATAGTGGAT
 ACCCTGCATACCTTGGTGCCCGACTGGCTTCTTTCTATGAGCGAGCAGGCAGAGTAAAATGTCTTGGAAA
 CCCTGAGAGAGAAGGGAGTGTGAGCATTGTAGGAGCAGTTTCTCCACCTGGTGGTATTTTCTGATCCA
 GTCACATCTGCTACTCTGGGTATTGTTCAAGGTGTTCTGGGGCTTGGATAAGAAGCTAGCTCAGCGCAAGC
 ACTTCCCGTCCGTCAACTGGCTCATTAGCTACAGCAAGTACATGCGCGCCCTGGACGAGTACTATGACAA
 ACACCTTACAGAGTTCGTGCCTCTGAGGACCAAAGCTAAGGAGATTCTGCAGGAAGAGGAGGATCTGGCG
 GAAATCGTGCAGCTCGTGGGAAAGGCGTCTTTAGCAGAGACAGATAAAATCACCCCTGGAGGTAGCAAAAAC
 TTATCAAAGATGACTTCTACAACAAAATGGGTACTCTTATGACAGGTTCTGTCCATTCTATAAAGAC
 GGTGGGGATGCTCCAACATGATTTTCTATGATATGGCCCGCCGGGCTGTGGAGACCACCGCCAG
 AGTGACAATAAGATCACATGGTCCATTATCCGTGAGCACATGGGGGAGATTCTCTATAAACTTCTCTCCA
 TGAATTCAGGATCCAGTGAAGGATGGCGAGGCAAGATCAAGGCCGACTACGCACAGCTTCTGAAGA
 TATGCAGAACGCATTCCGTAGCCTGGAAGAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001108318

Insert Size: 1854 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_001108318.2](#), [NP_001101788.1](#)

RefSeq Size: 4069 bp

RefSeq ORF: 1854 bp

Locus ID: 685232

Cytogenetics: 11q21