

Product datasheet for **RN207383**

Atp6v1c1 (NM_001011992) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp6v1c1 (NM_001011992) Rat Untagged Clone
Tag: Tag Free
Symbol: Atp6v1c1
Synonyms: MGC109315
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207383 representing NM_001011992
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTGAGTTCTGGCTGATATCTGCTCCTGGGAGAAAACCTGTGAGCAACATGGGAGAACTACATG
CAGCGACCACCAAGAACAATAACCTTGTCTCTTCCAAGTTCAACATTCCTGACTTAAAGTTGGCAC
GTTGGATGTCTTGGTTGGCTTGTGGATGAAGTAACTGGATGCATTTGTAGAAGGGTGGTCAAG
AAAGTGGCTCAGTACATGGCTGATGTGCTGGAGGACAGCAAAGATAAAGTTCAGGAGAAGTTCCTGGCCA
GTGGAGTTGACTTGGTCACTTACATAACAAGGTTCCAGTGGGATATGGCCAAATATCCAATCAAGCAGTC
TCTGAAAATATCTCTGAAATAATTGCCAAGGGAGTACTCAGATTGATAATGACCTAAAGTCTCGGGCG
TCTGCATACAATAACCTGAAAGGGAATCTCAGAAATTTGGAGCGAAAGAATGCGGGAAGTTTACTAACT
GAAGCCTGGCGGAAATTTGTAAGAAAGATGACTTTGTTCTTGATTCGGAGTATCTTGTACATTATTGGT
GGTAGTCCCAAGTTGAACCACAATGACTGGATTAAGCAGTATGAAACACTTGCAGAAATGGTAGTACCA
AGGTCGAGCAATGTTCTTTCAGAGGACCAAGACAGTTATCTTTGTAACGTCACCTTGTAAAAAAGCAG
TTGATGATTTTCAGACACAAGCCAGAGAAAACAAGTTTCATCGTCCGTGACTTCCAGTATAACGAGGAGGA
GATGAGAGCCGACAAAGAGGAGATGAACCGGCTGTCCACTGACAAGAAGAAGCAGTTTGGACCACTGTG
CGGTGGCTTAAAGTGAATTTTCAGTGAGGCTTTATTGCGTGGATTCATATAAAAGCATTACGGGTTTTTG
TGGAGTCTGTTTTAAGGTATGGCTTGGCGTGAACCTCCAAGCAATGCTCCTTCAACCTAATAAGAAATC
AGTGAAGAAGCTAAGAGAAGTGTTCATGAGTTGTACAAGCATCTGGACAGCAGTGCAGCTGCCATCATT
GATGCTCCTATGGATATTCCTGGCTGAACCTGAGTCAGCAAGAATACTACCCCTATGTGTACTACAAGA
TTGATTGCAACTGCTGGAATTCAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001011992
Insert Size:	1149 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:	<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_001011992.1, NP_001011992.1</u>
RefSeq Size:	1785 bp
RefSeq ORF:	1149 bp
Locus ID:	299971
UniProt ID:	<u>Q5FVI6</u>
Cytogenetics:	7q22
Gene Summary:	Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in its catalytic activity. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells (By similarity).[UniProtKB/Swiss-Prot Function]