

## Product datasheet for **SC215087**

### **ATP6V0A1 (NM\_005177) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	ATP6V0A1 (NM_005177) Human 3' UTR Clone
Symbol:	ATP6V0A1
Synonyms:	a1; ATP6N1; ATP6N1A; Stv1; Vph1; VPP1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005177
Insert Size:	1489 bp



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**Insert Sequence:** >SC215087 3'UTR clone of NM\_005177  
 The sequence shown below is from the reference sequence of NM\_005177. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CATATTCGGGAAGGGAAGTTTGAAGAGTAGTCCCTGTGAGGGCCGTGTGCCCATGCTACCTCCCCG
CCTCCCTCCACAGTGATCAGCTGTGCCTCTCTGCCTGTTGGTTGTGATCTGTGGGACCAGCTCATTTCG
TGTCAACCTGTCTGTGAGTCATTTAGATAGAATAGTCCTCCTTGGGTCTCCACCACCCCTAGCTTTGT
GTGTAGTGTAGTATTTTCTGGCTGTCACTCACTACTGAGCCAGCCTTGCCTCTTAGCCTCCA
TCCATCCAGACAGCCCTCCACCTCCTGGTGGTGAAGCAGTCTGCATCCACGCCATCCCAAAGCCC
TTTCATCTCCCGTGCATTGTAGATGGAAGGAGACCCATGCCATTACATCTAGACTTTGAGTTCCC
TGCATCTGCCACCGTAGTTTCTAGCAGGAGTAGTGGGGGAGTAATACAGATTCTCCCTAGAAGGGGA
CACTGGTAACATGTCCCCTCTGGATTAGCAGGGGTGGGTCCAGGAAGATGATATTTGCGTCTTTTGC
CCACCCCTGGCATTAGCTGGACCCAACTAGGCCATCATGAGTGGCTTCTCCCTGTCATCCCAAGGG
GTCATAGGATATCTACACCGCCTTTCTGACCCACCCTGCACTCCCATCCTTTCTCTCTCCCGTTCA
TGCCCTGCACTACATAGCACAGCCGGGATGCTTGGAAACAGAGGCCTTGGCTGCTCCGAGTGACAGGG
CTTCCCTCTCTCGGGGTTGGCTTCTTCCAGGCCCTTGCATGGGCCTGCCACAAGCACACCCTCAGGC
CGAGGGTGCAGACTGATGCTCTTCCCTGATGGAGACCCTGAGATCTTCCCAACCCCAATCATGATGTC
TTCAGTGTGGGACTGGGGTCTCTTGGTTCTGCCTGCAGCCTGCCTGGCTCCGCCCTAGTGCCTCCTC
CTCACCACTGGCCCCAGGTCCTCAGGAGGGGTCTCCTGGCAGGGAAGGTCAGTGTCACTGATGGTTT
GCTGTTTGAAGCCATTGGCAGGGCTGCCGTGCATGTGGCTGTGAGGGCTGCACAGTCTGCCAAGGGG
CTTCTCCTTGTACCCCGAACCTTGAATCGTGTGCTGGCGTGGCAGCCCTGGCTAAGTTAATCCCA
CCGCTTTCAGTGGTAGAAAGAATTCCCTGAGTGGGCCAGGCTGGTGCCCTCCTCCTACCCTGGCTTTTC
TGAGTGAGCTGCCTGGAGCCCTCATCCCTCTCCAGGCTGGGCTGGCCCTGGGCGGGGCCACTGTGTG
CTGGCCCACTGTGACCTGACCCGACCTTGTGCAGCCCCCTGCCCTGGTGTCTGGGTTTTCTGTGATGA
TCTTTGCTCTGTTCCAGTGGGGTTTGAAGCAGAGTTCAGGGAACCCTGCCCAAGGTCCTCTGTTCAG
ACATTCTATGTTGAATAAAGTATGTTTACTTCCCGGA
ACGCGTAAGCGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_005177.5](#)

**Summary:**

This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, receptor-mediated endocytosis, and synaptic vesicle proton gradient generation. V-ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c", and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This gene encodes one of three A subunit proteins and the encoded protein is associated with clathrin-coated vesicles. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

535

**MW:**

54.2