

## Product datasheet for **SC215086**

### ATP6V0A1 (NM\_001130021) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ATP6V0A1 (NM_001130021) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATP6V0A1
Synonyms:	a1; ATP6N1; ATP6N1A; Stv1; Vph1; VPP1
ACCN:	NM_001130021
Insert Size:	1489 bp



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<b>Insert Sequence:</b>	<p>&gt;SC215086 3'UTR clone of NM_001130021 The sequence shown below is from the reference sequence of NM_001130021. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CATATTCGGGAAGGGAAGTTTGAAGAGTAGTCCCTGTGAGGGCCGTGTGCCCATGCTACCTCCCCG CCTCCCTCCACAGTGATCAGCTGTGCCTCTCTGCCTGTTGGTTGTGATCTGTGGGACCAGCTCATTTCG TGTACCCTGTCTGTGAGTCATTTAGATAGAATAGTCCTCCTTGGGTCTCCACCACCCCTAGCTTTGT GTGTAGTGTAGTATTTTCTGGCTGTCACTCACTACTGAGCCAGCCTTGCCTCTTAGCCTCCA TCCATCCAGACAGCCCTCCACCTCCTGGTGGTGAAGCAGTCTGCATCCACGCCATCCCAAAGCCC TTTCATCTCCCCGTGCATTGTAGATGGAAGGAGACCCATGCCATTACATCTAGACTTTGAGTTCCC TGCATCTGCCACCGTAGTTTCTAGCAGGAGTAGTGGGGGAGTAACAGATTCTCCCTAGAAGGGGA CACTGGTAACATGTCCCCTCTGGATTAGCAGGGGTGGGTCCAGGAAGATGATATTTGCGTCTTTTGC CCACCCCTGGCATTAGCTGGACCCAACTAGGCCATCATGAGTGGCTTCTCCCTGTCATCCCCAGGG GTCATAGGATATCTACACCGCCTTTCTGACCCACCCTGCACTCCCATCCTTTCTCTCTCCCCGTTC TGCCCTGCACTACATAGCACAGCCGGGATGCTTGGAAACAGAGGCCTTGGCTGCTCCGAGTGACAGGG CTTCCCTCTCTCGGGGTTGGCTTCTTCCAGGCCTTGCATGGGCCTGCCACAAGCACACCCTCAGGC CGAGGGTGCAGACTGATGCTCTTCCCTGATGGAGACCCTGAGATCTTCCACCCCAATCATGATGTC TTCAGTGTGGGACTGGGGTCTTGGTTCTGCCTGCAGCCTGCCTGGCTCCGCCCTAGTCCCCCTC CTCACCACTGGCCCCAGGTCTCAGGAGGGGTGCTCTGGCAGGGAAGGTCAGTGTCACTGATGGTTT GCTGTTTGAAGCCATTGGCAGGGCTCCGTGCATGTGGCTGTGAGGGCTGCACAGTCCCTGCCAAGGGG CTTCTCCTTGTACCCCGAACCTTGAATCGTGTGCTGGCGTGGCAGCCCTGGCTAAGTTAATCCCA CCGCTTTCAGTGGTAGAAAGAATTCCCTGAGTGGGCCAGGCTGGTGCCCTCTCCTACCCTGGCTTTTC TGAGTGAGCTGCCTGGAGCCCTCATCCCTCTCCAGGCTGGGCTGGCCCTGGGCGGGGCCACTGTGTG CTGGCCCACTGTGACCTGACCCGACCTTGTGCAGCCCCCTGCCCTGGTGTCTGGGTTTTCTGATGA TCTTTGCTCTGTTCCAGTGGGGTTTGAAGCAGAGTTCAGGGAACCCTGCCAAGGTCTCTCTGTTCA ACATTCTATGTTGAATAAAGTATGTTTACTTCCCCGGA ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
<b>Restriction Sites:</b>	Sgfl-MluI
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001130021.3</a>

**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