

Product datasheet for **SC207341**

ATP6V0E1 (NM_003945) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: ATP6V0E1 (NM_003945) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ATP6V0E1
Synonyms: ATP6H; ATP6V0E; M9.2; Vma21; Vma21p
ACCN: NM_003945
Insert Size: 1113 bp
Insert Sequence: >SC207341 3'UTR clone of NM_003945
 The sequence shown below is from the reference sequence of NM_003945. 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
ATCTGGTATCTGAAGTATCATTGGCCTTGAGGAAGAAGACATGCTCTACAGTGCTCAGTCTTTGAGGTC
ACGAGAAGAGAATGCCTTCTAGATGCAAAATCACCTCCAACCAGACCACCTTTTCTTGACTTGCCTGTT
TTGGCCATTAGCTGCCTTAAACGTTAACAGCACATTTGAATGCCTTATTCTACAATGCAGCGTGTTTTTC
CTTTGCCTTTTTTGCACCTTTGGTGAATTACGTGCCTCCATAACCTGAACTGTGCCGACTCCACAAAACG
ATTATGTA CTCTCTGAGATAGAAGATGCTGTTCTTCTGAGAGATACGTTACTCTCTCTTGGAACTCTG
TGGATTGAAGATGGCTCCTGCCTTCTCACGTGGGAATCAGTGAAGTGTTAGAACTGCTGCAAGACA
AACAAAGACTCCAGTGGGGTGGTCAAGTAGGAGAGCACGTTCAAGGGGAAGAGCCATCTCAACAGAATCGC
ACCAAATACTTTT CAGGATGAATTTCTTTCTTCTGCCATCTTTTGGAAATAAATTTTTCTCCTTTTC
TATGGAAATCTGGGCTCGGTGTTTGTAAAGTTCATTTTTATAAGCTTTTCTATCGCTACATAATGCCTT
TTTTAAAAATGATTTTGTAGTCTAAACTTAGGTTGAGTATATAAACCTGCCATGTAGCTTGAGATGCC
TGAAAAGACTGGTAAGTGCCTTTCTTAATCGTTCAAGTAACTATTTGAGTGCCTACTGCAGCAAGGCAC
TGGAGGGATCAAAGATGTGTAATTTGGAGTCCCTGCAAGTTCACAAGCTATTTGGAGAGATAAGGTTA
GTATACATAGAAGTGAATATAAGGTTGTGTTGGAGCATTGTCCTTAAAGATGGTACCATGGTGAGCAG
TTCAAGGTTACCTGCCAGCTGCAGAACAAAGGCAGCAAAATGCTCCTGAGATGGAACCATCACAGCCTCAG
ACATAGGACTAAAGAAGTCAAGAGTGATTA AAAAGCCAGGGGCAGGAGACAGTAATTTGTATTTTCAGT
AGCAGGCATCTCGATACACTAATTTGAGAGCTTTATTACTTTTAAAGAAATAAAAATTTAAATGAACCT
AAATTTTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI



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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_003945.4
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 encoded protein is possibly part of the V0 subunit. Since two nontranscribed pseudogenes have been found in dog, it is possible that the localization to chromosome 2 for this gene by radiation hybrid mapping is representing a pseudogene. Genomic mapping puts the chromosomal location on 5q35.3. [provided by RefSeq, Jul 2008]
Locus ID:	8992
MW:	44