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# Product datasheet for SC204620

## ATP6V0A4 (NM_130840) Human 3' UTR Clone

## Product data:

| | |
|---|---|
| **Product Type:** | 3' UTR Clones |
| **Product Name:** | ATP6V0A4 (NM_130840) Human 3' UTR Clone |
| **Symbol:** | ATP6V0A4 |
| **Synonyms:** | A4; ATP6N1B; ATP6N2; DRTA3; RDRTA2; RTA1C; RTADR; STV1; VPH1; VPP2 |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pMirTarget (PS100062) |
| **ACCN:** | NM_130840 |
| **Insert Size:** | 360 bp |

**Insert Sequence:**

```
>SC204620 3'UTR clone of NM_130840
The sequence shown below is from the reference sequence of NM_130840. The complete
sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACATCCTGGATGGCACAGCCGAGGAGTAGGCTGAGGGCTGCACCTCCCACGGTGGTCACCATGCCAAT
GAAGGAAGTTCAGTCTTGTCTTTGATATCAGCCCCTGCAAGGCGCTCAATGGGAAGGTTGTTCTTGGCT
CACCTGAAGCATGAAACTGTGTATTATTTGGACGTCAGCCTGTGGATTTGATACGACTTAACCACGTCA
GAGGAAGGACTTTGGCAAGTGATATTGTCTTCATGTGGGGTATTAATTCTCAAATAATAAAGTAATTGA
CAAATGAGGGGAGAATGCTAAACAGATGTCTTCTTGCAATATTTTAAATATTGTATTTGAGAAAATAAA
CATCTGAGTCATTCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
```

| | |
|---|---|
| **Restriction Sites:** | SgfI-MluI |
| **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. |

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**RefSeq:** NM_130840.3

**Summary:** This gene encodes a component of vacuolar ATPase (V-ATPase), a multisubunit enzyme that mediates acidification of intracellular compartments of eukaryotic cells. V-ATPase dependent 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. This gene is one of four genes in man and mouse that encode different isoforms of the a subunit. Alternatively spliced transcript variants encoding the same protein have been described. Mutations in this gene are associated with renal tubular acidosis associated with preserved hearing. [provided by RefSeq, Jul 2008]

**Locus ID:** 50617

**MW:** 13.5