

Product datasheet for SC207144

ATP6V0D1 (NM 004691) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: ATP6V0D1 (NM_004691) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: ATP6V0D1

Synonyms: ATP6D; ATP6DV; P39; VATX; VMA6; VPATPD

ACCN: NM_004691

Insert Size: 539 bp

Insert Sequence: >SC207144 3'UTR clone of NM_004691

The sequence shown below is from the reference sequence of NM_004691. The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

CTCCCTCCCTCAGCCCTGCCCCTCTGAGACAATAAAACTGCCCTCTCTAAGGCCAA

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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.

RefSeg: NM 004691.5



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ORIGENE

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 known as the D subunit and is found ubiquitously. [provided by RefSeq, Jul 2008]

Locus ID: 9114 **MW:** 19