

# Product datasheet for RC203317L3

#### OriGene Technologies, Inc.

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## ATP6J (ATP6V1G1) (NM\_004888) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: ATP6| (ATP6V1G1) (NM 004888) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: ATP6J

**Synonyms:** ATP6G; ATP6G1; ATP6GL; ATP6J; Vma10

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clon

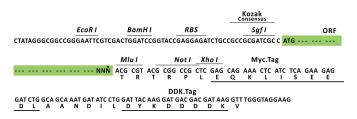
Sequence:

The ORF insert of this clone is exactly the same as(RC203317).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF.

**ACCN:** NM\_004888

ORF Size: 354 bp





### ATP6J (ATP6V1G1) (NM\_004888) Human Tagged Lenti ORF Clone - RC203317L3

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

V-ATPase G

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 004888.2</u>

 RefSeq Size:
 1611 bp

 RefSeq ORF:
 357 bp

 Locus ID:
 9550

 UniProt ID:
 075348

**Cytogenetics:** 9q32

Domains:

**Protein Pathways:** Epithelial cell signaling in Helicobacter pylori infection, Metabolic pathways, Oxidative

phosphorylation, Vibrio cholerae infection

MW: 13.8 kDa

**Gene 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, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. The protein encoded by this gene is one of three V1 domain G subunit proteins. Pseudogenes of this gene have been characterized.

[provided by RefSeq, Jul 2008]