

Product datasheet for RC217709L4V

OriGene Technologies, Inc.

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ATP6V1E1 (NM_001039367) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: ATP6V1E1 (NM_001039367) Human Tagged ORF Clone Lentiviral Particle

Symbol: ATP6V1E1

Synonyms: ARCL2C; ATP6E; ATP6E2; ATP6V1E; P31; Vma4

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

ACCN: NM_001039367

ORF Size: 588 bp

ORF Nucleotide

The ORF insert of this clone is exactly the same as(RC217709).

OTI Disclaimer:

Sequence:

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.

RefSeq: NM 001039367.1, NP 001034456.1

 RefSeq Size:
 1316 bp

 RefSeq ORF:
 591 bp

 Locus ID:
 529

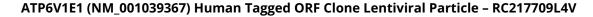
 UniProt ID:
 P36543

Cytogenetics: 22q11.21

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

phosphorylation, Vibrio cholerae infection





ORIGENE

MW:

22.5 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. This gene encodes alternate transcriptional splice variants, encoding different V1 domain E subunit isoforms. Pseudogenes for this gene have been found in the genome. [provided by RefSeq, Jul 2008]