

Product datasheet for TP301267L

OriGene Technologies, Inc.

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ATP6V1E1 (NM_001696) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1

(ATP6V1E1), transcript variant 1, 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC201267 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MALSDADVQKQIKHMMAFIEQEANEKAEEIDAKAEEEFNIEKGRLVQTQRLKIMEYYEKKEKQIEQQKKI QMSNLMNQARLKVLRARDDLITDLLNEAKQRLSKVVKDTTRYQVLLDGLVLQGLYQLLEPRMIVRCRKQD FPLVKAAVQKAIPMYKIATKNDVDVQIDQESYLPEDIAGGVEIYNGDRKIKVSNTLESRLDLIAQQMMPE

VRGALFGANANRKFLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 26 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: NP 001687

Locus ID: 529



ATP6V1E1 (NM_001696) Human Recombinant Protein - TP301267L

UniProt ID: <u>P36543</u>, <u>Q53Y06</u>

RefSeq Size: 1406

Cytogenetics: 22q11.21

RefSeq ORF: 678

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

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-

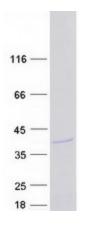
ATPase is composed of a cytosolic V1 domain and a transmembrane V0 domain. The V1 domain consists of three A, three B, and two G subunits, as well as a C, D, E, F, and H subunit. The V1 domain contains the ATP catalytic site. This gene encodes alternate transcriptional splice variants, encoding different V1 domain E subunit isoforms. Pseudogenes for this gene

have been found in the genome. [provided by RefSeq, Jul 2008]

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

phosphorylation, Vibrio cholerae infection

Product images:



Coomassie blue staining of purified ATP6V1E1 protein (Cat# [TP301267]). The protein was produced from HEK293T cells transfected with ATP6V1E1 cDNA clone (Cat# [RC201267]) using

MegaTran 2.0 (Cat# [TT210002]).