

Recombinant Full Length Human ATP6V1E1 Protein, GST-tagged

Cat. No. ATP6V1E1-1537HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V1E1 full-length ORF (AAH04443, 1 a.a. - 226 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	226 amino acids
Description	<p>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]</p>
Molecular Mass	50.60 kDa
AA Sequence	MALSDADVQK QIKHMMAFIE QEANEKAEI DAKAEFEFNI EKGRLVQTQR LKIMEYYEKK EKQIEQQKKI QMSNLMNQAR LKVLRRARDDL ITDLLNEAKQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

RLSKVVKDTT RYQVLLDGLV LQGLYQLLEP RMIVRCRKQD FPLVKAHVQK
 AIPMYKIATK NDVDVQIDQE SYLPEDIAGG VEIYNGDRKI KVSNTLESRL
 DLIAQQMMPE VRGALFGANA NRKFLD

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ATP6V1E1 ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1 \[Homo sapiens \]](#)

Official Symbol

[ATP6V1E1](#)

Synonyms

ATP6V1E1; ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E1; ATP6E, ATP6V1E, ATPase, H+ transporting, lysosomal (vacuolar proton pump) 31kD , ATPase, H+ transporting, lysosomal 31kDa, V1 subunit E isoform 1; V-type proton ATPase subunit E 1; ATP6E2; P31; Vma4; V-ATPase, subunit E; V-ATPase subunit E 1; V-ATPase 31 kDa subunit; vacuolar proton pump subunit E 1; H+-transporting ATP synthase chain E, vacuolar; H(+)-transporting two-sector ATPase, 31kDa subunit; ATP6E; ATP6V1E

Gene ID

[529](#)

mRNA Refseq

[NM_001039366](#)

Protein Refseq

[NP_001034455](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



MIM	108746
------------	--------

UniProt ID	P36543
-------------------	--------

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA