

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	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]
Molecular Mass	50.60 kDa
AA Sequence	MALSDADVQK QIKHMMAFIE QEANEKAEI DAKAEFEFNI EKGRVLVQTQR LKIMEYYEKK EKQIEQQKKI QMSNLMNQAR LKVLRRARDDL ITDLLNEAKQ

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RLSKVVKDTT RYQVLLDGLV LQGLYQLLEP RMIVRCRKQD FPLVKAQVQK
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

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MIM	108746
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UniProt ID	P36543
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