Recombinant Human ATP6V0E protein, GST-tagged

Cat. No. ATP6V0E-999H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V0E full-length ORF (NP_003936.1, 1 a.a. - 81 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 and three B subunits, two G subunits plus the C, D, E, F, and H subunits. The V1 domain contains the ATP catalytic site. The V0 domain consists of five different subunits: a, c, c', c'', and d. Additional isoforms of many of the V1 and V0 subunit proteins are encoded by multiple genes or alternatively spliced transcript variants. This encoded protein is possibly part of the V0 subunit. Since two nontranscribed pseudogenes have been found in dog, it is possible that the localization to chromosome 2 for this gene by radiation hybrid mapping is representing a pseudogene. Genomic mapping puts the chromosomal location on 5q35.3. [provided by RefSeq, Jul 2008]
Molecular Mass	35.8 kDa

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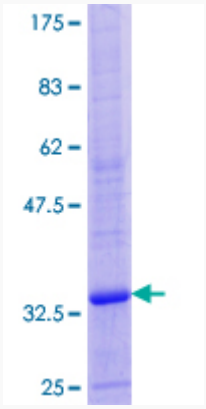
AA Sequence	MAYHGLTVPLIVMSVFWGFVGFLVPWFIPKGPNRGVIITMLVTCSVCCYLFWLIAILA QLNPLFGPQLKNETIWYLKYHWP
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	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	ATP6V0E1 ATPase H+ transporting V0 subunit e1 [Homo sapiens (human)]
Official Symbol	ATP6V0E1
Synonyms	ATP6V0E1; ATPase H+ transporting V0 subunit e1; M9.2; ATP6H; Vma21; Vma21p; ATP6V0E; V-type proton ATPase subunit e 1; ATPase, H+ transporting, lysosomal 9kDa, V0 subunit e1; H(+)-transporting two-sector ATPase, subunit H; V-ATPase 9.2 kDa membrane accessory protein; V-ATPase H subunit; V-ATPase M9.2 subunit; V-ATPase subunit e 1; vacuolar ATP synthase subunit H; vacuolar proton pump H subunit; vacuolar proton pump subunit e 1; vacuolar proton-ATPase subunit M9.2; EC 3.6.3.14
Gene ID	8992
mRNA Refseq	NM_003945
Protein Refseq	NP_003936

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MIM	603931
UniProt ID	O15342



12.5% SDS-PAGE Stained with Coomassie Blue.

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