

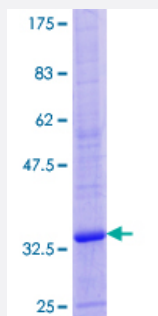
Full-Length

ATP6V0E (Human) Recombinant Protein (P01)

Catalog # H00008992-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ATP6V0E full-length ORF (NP_003936.1, 1 a.a. - 81 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAYHGLTVPLIVMSVFWGFVGFVLPWFIPKGPNGVITMLVTCSVCCYFWLIAILAQLNPLFGPQ LKNETIWYLYHWP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.8
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — ATP6V0E1

Entrez GeneID [8992](#)

GeneBank Accession# [NM_003945.3](#)

Protein Accession# [NP_003936.1](#)

Gene Name ATP6V0E1

Gene Alias ATP6H, ATP6V0E, M9.2, Vma21, Vma21p

Gene Description ATPase, H⁺ transporting, lysosomal 9kDa, V0 subunit e1

Omim ID [603931](#)

Gene Ontology [Hyperlink](#)

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 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]

Other Designations

ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) 9kD|ATPase, H⁺ transporting, lysosomal 9kD V0 subunit M9.2|ATPase, H⁺ transporting, lysosomal 9kD V0 subunit e|ATPase, H⁺ transporting, lysosomal, 9kD|H(+)-transporting two-sector ATPase, subunit H

Pathway

- [Epithelial cell signaling in Helicobacter pylori infection](#)
- [Metabolic pathways](#)
- [Oxidative phosphorylation](#)
- [Vibrio cholerae infection](#)