

Recombinant Full Length Human ATP6V1F Protein, GST-tagged

Cat. No. ATP6V1F-1115HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V1F full-length ORF (NP_004222.2, 1 a.a. - 119 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	119 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 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 the V1 domain F subunit protein. [provided by RefSeq, Jul 2008]</p>
Molecular Mass	39.8 kDa
AA Sequence	MAGRKLIIV IGDEDTVTF LLGGIGELNK NRHPNFLVVE KDTTINEIED

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TFRQFLNRDD IGIILINQYI AEMVRHALDA HQQSIPAVLE IPSKEHPYDA
AKDSILRRAR GMFTAEDLR

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

[ATP6V1F ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F \[Homo sapiens \]](#)

Official Symbol

[ATP6V1F](#)

Synonyms

ATP6V1F; ATPase, H+ transporting, lysosomal 14kDa, V1 subunit F; V-type proton ATPase subunit F; ATP6S14; VATF; Vma7; V-ATPase F subunit; V-ATPase subunit F; ATPase, vacuolar, 14 kD; V-ATPase 14 kDa subunit; vacuolar proton pump F subunit; vacuolar proton pump subunit F; vacuolar ATP synthase subunit F; adenosinetriphosphatase 14k chain; H(+)-transporting two-sector ATPase, 14kD subunit; MGC117321; MGC126037; MGC126038

Gene ID

[9296](#)

mRNA Refseq

[NM_001198909](#)

Protein Refseq

[NP_001185838](#)

MIM

[607160](#)

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UniProt ID

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