

Recombinant Full Length Human ATP6V0C Protein, GST-tagged

Cat. No. ATP6V0C-1526HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6V0C full-length ORF (NP_001685.1, 1 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	155 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 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. This gene encodes the V0 subunit c. Alternative splicing results in transcript variants. Pseudogenes have been identified on chromosomes 6 and 17. [provided by RefSeq, Nov 2010]
Molecular Mass	42.1 kDa
AA Sequence	MSEKSGPEY ASFFAVMGAS AAMVFSALGA AYGTAKSGTG IAAMSVMRPE

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QIMKSIIPVV MAGIIAIYGL VVAVLIANSL NDDISLYKSF LQLGAGLSVG
LSGLAAGFAI GIVGDAGVRG TAQQPRLFVG MILILIFAEV LGLYGLIVAL ILSTK

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

ATP6V0C ATPase, H⁺ transporting, lysosomal 16kDa, V0 subunit c [Homo sapiens]

Official Symbol

ATP6V0C

Synonyms

ATP6V0C; ATPase, H⁺ transporting, lysosomal 16kDa, V0 subunit c; ATP6C, ATP6L, ATPase, H⁺ transporting, lysosomal (vacuolar proton pump) 16kD , ATPL; V-type proton ATPase 16 kDa proteolipid subunit; VATL; Vma3; V-ATPase 16 kDa proteolipid subunit; vacuolar H⁺ ATPase proton channel subunit; vacuolar proton pump 16 kDa proteolipid subunit; vacuolar ATP synthase 16 kDa proteolipid subunit; H(+)-transporting two-sector ATPase, 16 kDa subunit; ATPL; VPPC; ATP6C; ATP6L

Gene ID

527

mRNA Refseq

NM_001198569

Protein Refseq

NP_001185498

MIM

108745

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UniProt ID

P27449

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