# Recombinant Human ATP6V0C protein, GST-tagged

**Cat. No.** ATP6V0C-996H **Lot. No.** (See product label)

## SPECIFICATION

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| **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** | 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. 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** | MSESKSGPEYASFFAVMGASAAMVFSALGAAYGTAKSGTGIAAMSVMRPEQIMKSII PVVMAGIIAIYGLVVAVLIANSLNDDISLYKSFLQLGAGLSVGLSGLAAGFAIGIVGDAG VRGTAQQPRLFVGMILILIFAEVLGLYGLIVALILSTK |

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| **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

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| **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 |
| **UniProt ID** | P27449 |

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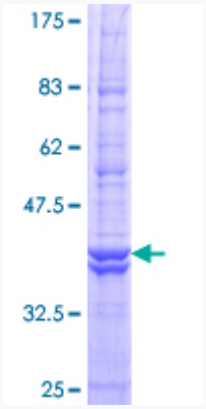


12.5% SDS-PAGE Stained with Coomassie Blue.

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