

## Product datasheet for PH303652

### ATP6V0C (NM\_001694) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ATP6V0C MS Standard C13 and N15-labeled recombinant protein (NP_001685)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203652
Predicted MW:	15.7 kDa
Protein Sequence:	>RC203652 protein sequence Red=Cloning site Green=Tags(s)  MSEKSGPEYASFFAVMGASAAMVFSALGAAYGTAKSGTGIAAMSVMRPEQIMKSIIPVVMAGIIAIYGL VVAVLIANSLNDDISLYKSFLQLGAGLSVGLSGLAAGFAIGIVGDAGVRGTAQQPRLFVGMILILIFAEV LGLYGLIVALILSTK  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001685</a>
RefSeq Size:	1180
RefSeq ORF:	465
Synonyms:	ATP6C; ATP6L; ATPL; VATL; Vma3; VPPC
Locus ID:	527
UniProt ID:	<a href="#">P27449</a>



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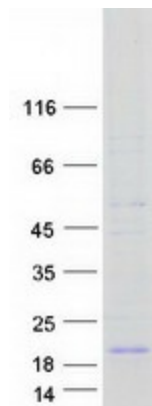
**Cytogenetics:** 16p13.3

**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. 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]

**Protein Families:** Transmembrane

**Protein Pathways:** Epithelial cell signaling in Helicobacter pylori infection, Lysosome, Metabolic pathways, Oxidative phosphorylation, Vibrio cholerae infection

### Product images:



Coomassie blue staining of purified ATP6V0C protein (Cat# [TP303652]). The protein was produced from HEK293T cells transfected with ATP6V0C cDNA clone (Cat# [RC203652]) using MegaTran 2.0 (Cat# [TT210002]).