Recombinant Human ATP6V0C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ATP6V0C-4978H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ATP6V0C MS Standard C13 and N15-labeled recombinant protein (NP_001685) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	15.7 kDa
AA Sequence	MSESKSGPEYASFFAVMGASAAMVFSALGAAYGTAKSGTGIAAMSVMRPEQIMKSII PVVMAGIIAIYGLVVAVLIANSLNDDISLYKSFLQLGAGLSVGLSGLAAGFAIGIVGDAG VRGTAQQPRLFVGMILILIFAEVLGLYGLIVALILSTKTRTRPLEQKLISEEDLAANDILD

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	YKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ATP6V0C ATPase H+ transporting V0 subunit c [Homo sapiens (human)]
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_001694
Protein Refseq	NP_001685

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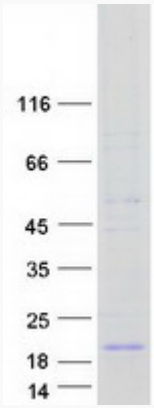
MIM	108745
UniProt ID	P27449
SDS-PAGE	

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