Recombinant Human ATP6V0C 293 Cell Lysate

Cat. No. ATP6V0C-8589HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ATPase, H+ transporting, lysosomal 16kDa, V0 subunit c (ATP6V0C) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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
UniProt ID	P27449
Chromosome Location	16p13.3
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid

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	secretion, conserved biosystem; Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Insulin receptor recycling, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem; Lysosome, organism-specific biosystem;
Function	hydrogen ion transporting ATP synthase activity, rotational mechanism; protein binding; proton-transporting ATPase activity, rotational mechanism; ubiquitin protein ligase binding;

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