

Recombinant Human ATP6V1C1 293 Cell Lysate

Cat. No. ATP6V1C1-8582HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ATPase, H ⁺ transporting, lysosomal 42kDa, V1 subunit C1 (ATP6V1C1) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [ATP6V1C1 ATPase, H⁺ transporting, lysosomal 42kDa, V1 subunit C1 \[Homo sapiens \]](#)

Official Symbol [ATP6V1C1](#)

Synonyms ATP6C; ATP6D; ATP6V1C1; ATPase H⁺ transporting lysosomal (vacuolar proton pump) 42kD; ATPase H⁺ transporting lysosomal 42kD V1 subunit C isoform 1; ATPase H⁺ transporting lysosomal 42kDa V1 subunit C isoform 1; ATPase H⁺ transporting lysosomal 42kDa V1 subunit C1; ATPase H⁺ transporting lysosomal V1 subunit C1; FLJ20057; H(+) transporting two sector ATPase subunit C; H⁺ ATPase C subunit; H⁺ transporting ATPase chain C vacuolar; Subunit C of vacuolar proton ATPase V1 domain; V ATPase C subunit; V ATPase subunit C 1; V-ATPase subunit C 1; V-type proton ATPase subunit C 1; Vacuolar ATP synthase subunit C; Vacuolar proton pump 42 kD subunit; Vacuolar proton pump C subunit; Vacuolar proton pump subunit C 1; Vacuolar protonATPase subunit C VI domain; VATC; VATC1_HUMAN; VATPase C subunit; VATPase subunit C 1; VMA5; ATP6V1C1

Gene ID [528](#)

mRNA Refseq [NM_001695.4](#)

Protein Refseq [NP_001686.1](#)

MIM [603097](#)

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UniProt ID	P21283
Chromosome Location	8q22.3
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved biosystem; Disease, organism-specific 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
Function	hydrogen-exporting ATPase activity, phosphorylative mechanism; protein binding; proton-transporting ATPase activity, rotational mechanism; transporter activity

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