

Recombinant Human ATP6V0D1 293 Cell Lysate

Cat. No. ATP6V0D1-8588HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d1 (ATP6V0D1) 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 [ATP6V0D1 ATPase, H⁺ transporting, lysosomal 38kDa, V0 subunit d1 \[Homo sapiens \]](#)

Official Symbol ATP6V0D1

Synonyms ATP6V0D1; ATPase, H⁺ transporting, lysosomal 38kDa, V0 subunit d1; ATP6D, ATPase, H⁺ transporting, lysosomal (vacuolar proton pump), member D , ATPase, H⁺ transporting, lysosomal 38kDa, V0 subunit d isoform 1 , ATPase, H⁺ transporting, lysosomal 38kDa, V0 subunit D1; V-type proton ATPase subunit d 1; ATP6DV; P39; VATX; Vma6; VPATPD; V-ATPase, subunit D; V-ATPase subunit d 1; V-ATPase AC39 subunit; 32 kDa accessory protein; vacuolar proton pump subunit d 1; V-ATPase 40 KDa accessory protein; H(+)-transporting two-sector ATPase, subunit D; ATPase, H⁺ transporting, lysosomal (vacuolar proton pump), member D; VMA6; ATP6D; FLJ43534;

Gene ID [9114](#)

mRNA Refseq [NM_004691](#)

Protein Refseq [NP_004682](#)

MIM [607028](#)

UniProt ID [P61421](#)

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Chromosome Location	16q22
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, organism-specific biosystem; Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem;
Function	hydrogen-exporting ATPase activity, phosphorylative mechanism; protein binding;

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