

Recombinant Human ATP6V1H 293 Cell Lysate

Cat. No. ATP6V1H-8573HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ATPase, H ⁺ transporting, lysosomal 50/57kDa, V1 subunit H (ATP6V1H), transcript variant 1 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 [ATP6V1H ATPase, H⁺ transporting, lysosomal 50/57kDa, V1 subunit H \[Homo sapiens \]](#)

Official Symbol ATP6V1H

Synonyms ATP6V1H; ATPase, H⁺ transporting, lysosomal 50/57kDa, V1 subunit H; ATPase, H⁺ transporting, lysosomal 50/57kD, V1 subunit H; V-type proton ATPase subunit H; CGI 11; SFD; SFDalpha; SFDbeta; vacuolar ATP synthase subunit H; VMA13; V-ATPase H subunit; V-ATPase subunit H; nef-binding protein 1; protein VMA13 homolog; vacuolar ATPase subunit H; V-ATPase 50/57 kDa subunits; vacuolar proton pump H subunit; vacuolar proton pump subunit H; vacuolar proton pump subunit SFD; NBP1; CGI-11; MSTP042;

Gene ID [51606](#)

mRNA Refseq [NM_015941](#)

Protein Refseq [NP_057025](#)

MIM [608861](#)

UniProt ID [Q9UI12](#)

Chromosome Location 8q11.2

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Pathway

Disease, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; HIV Infection, organism-specific biosystem; Host Interactions of HIV factors, organism-specific biosystem; Insulin receptor recycling, organism-specific biosystem; Iron uptake and transport, organism-specific biosystem;

Function

contributes_to ATPase activity; enzyme regulator activity; hydrolase activity, acting on acid anhydrides, catalyzing transmembrane movement of substances; protein binding; proton-transporting ATPase activity, rotational mechanism;

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