

Recombinant Human ATP6V1E2 293 Cell Lysate

Cat. No. ATP6V1E2-8579HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for ATPase, H⁺ transporting, lysosomal 31kDa, V1 subunit E2 (ATP6V1E2) 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	ATP6V1E2?ATPase, H ⁺ transporting, lysosomal 31kDa, V1 subunit E2 [Homo sapiens?(human)]
Official Symbol	ATP6V1E2
Synonyms	ATP6V1E2; ATPase, H ⁺ transporting, lysosomal 31kDa, V1 subunit E2; VMA4; ATP6E1; ATP6EL2; ATP6V1EL2; V-type proton ATPase subunit E 2; V-ATPase subunit E 2; vacuolar proton pump subunit E 2; vacuolar-type proton-translocating ATPase subunit E1
Gene ID	90423
mRNA Refseq	NM_080653
Protein Refseq	NP_542384
UniProt ID	Q96A05
Chromosome Location	2p21
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Oxidative phosphorylation, organism-specific biosystem

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Function

hydrogen-exporting ATPase activity, phosphorylative mechanism; proton-transporting ATPase activity, rotational mechanism

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