Recombinant Human ATP6AP1 293 Cell Lysate

Cat. No. ATP6AP1-8592HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ATPase, H+ transporting, lysosomal accessory protein 1 (ATP6AP1) 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	ATP6AP1 ATPase, H+ transporting, lysosomal accessory protein 1 [Homo sapiens]
Official Symbol	ATP6AP1
Synonyms	ATP6AP1; ATPase, H+ transporting, lysosomal accessory protein 1; ATP6IP1, ATP6S1, ATPase, H+ transporting, lysosomal (vacuolar proton pump), subunit 1; V-type proton ATPase subunit S1; 16A; Ac45; CF2; ORF; VATPS1; XAP 3; XAP3; protein XAP-3; H-ATPase subunit; V-ATPase subunit S1; V-ATPase Ac45 subunit; V-ATPase S1 accessory protein; vacuolar proton pump subunit S1; ATPase, H+ transporting, lysosomal interacting protein 1; ATPase, H+ transporting, lysosomal (vacuolar proton pump), subunit 1; XAP-3; ATP6S1; ATP6IP1; MGC129781;
Gene ID	537
mRNA Refseq	NM_001183
Protein Refseq	NP_001174
MIM	300197
UniProt ID	Q15904
Chromosome Location	Xq28

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Pathway	Epithelial cell signaling in Helicobacter pylori infection, organism-specific biosystem; Epithelial cell signaling in Helicobacter pylori infection, conserved biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Metabolic pathways, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem;
Function	ATP binding; hydrogen ion transporting ATP synthase activity, rotational mechanism; nucleotide binding; proton-transporting ATPase activity, rotational mechanism; transporter activity;

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