

Recombinant Human ATP6V0D2 293 Cell Lysate

Cat. No. ATP6V0D2-8587HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d2 (ATP6V0D2) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	ATP6V0D2 ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d2 [Homo sapiens]
Official Symbol	ATP6V0D2
Synonyms	ATP6V0D2; ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d2; ATPase, H ⁺ transporting, lysosomal 38kD, V0 subunit d isoform 2 , ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit d isoform 2 , ATPase, H ⁺ transporting, lysosomal 38kDa, V0 subunit D2; V-type proton ATPase subunit d 2; ATP6D2; FLJ38708; VMA6; V-ATPase subunit d 2; vacuolar proton pump subunit d 2;
Gene ID	245972
mRNA Refseq	NM_152565
Protein Refseq	NP_689778
UniProt ID	Q8N8Y2
Chromosome Location	8q21.3
Pathway	Collecting duct acid secretion, organism-specific biosystem; Collecting duct acid secretion, conserved 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; Lysosome,

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organism-specific biosystem;

Function

hydrogen ion transmembrane transporter activity; protein binding;

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