Recombinant Human ATP5J2 293 Cell Lysate

Cat. No. ATP5J2-8596HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2 (ATP5J2), nuclear gene encoding mitochondrial protein, 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.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

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	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	ATP5J2 ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2 [Homo sapiens]
Official Symbol	ATP5J2
Synonyms	ATP5J2; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F2; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2 , ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F2; ATP synthase subunit f, mitochondrial; ATP synthase f chain; mitochondrial; ATP5JL; F1Fo ATP synthase complex Fo membrane domain f subunit; F1Fo ATPase; F1Fo ATPase synthase f subunit; F1F0-type ATPase subunit f; F1Fo-ATPase synthase f subunit; ATP synthase f chain, mitochondrial; F1Fo-ATP synthase complex Fo membrane domain f subunit; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit f, isoform 2;
Gene ID	9551
mRNA Refseq	NM_001003713
Protein Refseq	NP_001003713
UniProt ID	P56134
Chromosome Location	7q22.1

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Pathway	Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, organism-specific biosystem;
Function	contributes_to ATPase activity; transmembrane transporter activity;

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