Recombinant Human ATP5G1 293 Cell Lysate

Cat. No. ATP5G1-8600HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C1 (subunit 9) (ATP5G1), nuclear gene encoding mitochondrial protein, transcript variant 2 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	ATP5G1 ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9) [Homo sapiens]
Official Symbol	ATP5G1
Synonyms	ATP5G1; ATP synthase, H+ transporting, mitochondrial Fo complex, subunit C1 (subunit 9); ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1 , ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C1 (subunit 9) , ATP5G; ATP synthase lipid-binding protein, mitochondrial; ATPase protein 9; ATPase subunit 9; ATPase subunit C; ATP synthase proteolipid P1; mitochondrial ATP synthase, subunit 9, isoform 1; mitochondrial ATP synthase, subunit C, isoform 1; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit C1 (subunit 9); ATP synthase, H+ transporting, mitochondrial F0 complex, subunit c (subunit 9), isoform 1; ATP5A; ATP5G;
Gene ID	516
mRNA Refseq	NM_001002027
Protein Refseq	NP_001002027
MIM	603192
UniProt ID	P05496

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Chromosome Location	17q21.32
Pathway	Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem;
Function	hydrogen ion transmembrane transporter activity; lipid binding; transporter activity;

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