

## Recombinant Human ATP5J 293 Cell Lysate

**Cat. No.** ATP5J-8597HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for ATP synthase, H <sup>+</sup> transporting, mitochondrial F0 complex, subunit F6 (ATP5J), nuclear gene encoding mitochondrial protein, transcript variant 3 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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** [ATP5J ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6 \[ Homo sapiens \]](#)

**Official Symbol** [ATP5J](#)

**Synonyms** [ATP5J](#); ATP synthase, H+ transporting, mitochondrial Fo complex, subunit F6; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6 , ATP5, ATP5A, ATPM; ATP synthase-coupling factor 6, mitochondrial; CF6; coupling factor 6; ATPase subunit F6; proliferation-inducing protein 36; mitochondrial ATP synthase, subunit F6; mitochondrial ATPase coupling factor 6; mitochondrial ATP synthase, coupling factor 6; ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6; F6; ATP5; ATPM; ATP5A;

**Gene ID** [522](#)

**mRNA Refseq** [NM\\_001003696](#)

**Protein Refseq** [NP\\_001003696](#)

**MIM** [603152](#)

**UniProt ID** [P18859](#)

**Chromosome Location** [21q21.1](#)

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**Pathway**

Alzheimers disease, organism-specific biosystem; Alzheimers disease, conserved biosystem; Electron Transport Chain, organism-specific biosystem; F-type ATPase, eukaryotes, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Huntingtons disease, organism-specific biosystem;

**Function**

contributes\_to ATPase activity; hydrogen ion transmembrane transporter activity; transmembrane transporter activity; transporter activity;

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