

## Recombinant Human ATP5S 293 Cell Lysate

**Cat. No.** ATP5S-8594HCL    **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 F <sub>0</sub> complex, subunit s (factor B) (ATP5S), 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.
<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** [ATP5S](#)?ATP synthase, H<sup>+</sup> transporting, mitochondrial Fo complex, subunit s (factor B) [?Homo sapiens?(human) ]

**Official Symbol** [ATP5S](#)

**Synonyms** [ATP5S](#); ATP synthase, H<sup>+</sup> transporting, mitochondrial Fo complex, subunit s (factor B); FB; ATPW; [HSU79253](#); ATP synthase subunit s, mitochondrial; ATP synthase-coupling factor B; ATP synthase coupling factor B-like 1; ATP synthase coupling factor B, mitochondrial; mitochondrial ATP synthase regulatory component factor B; ATP synthase, H<sup>+</sup> transporting, mitochondrial F0 complex, subunit s (factor B); [NP\\_001003803.1](#); EC 3.6.1.14; [NP\\_001003805.1](#); [NP\\_056499.2](#)

**Gene ID** [27109](#)

**mRNA Refseq** [NM\\_001003805](#)

**Protein Refseq** [NP\\_001003805](#)

**UniProt ID** [Q99766](#)

**Chromosome Location** 14q21.3

**Pathway** Electron Transport Chain, organism-specific biosystem; Formation of ATP by chemiosmotic coupling, organism-specific biosystem; Metabolism, organism-specific biosystem

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**Function**

hydrogen ion transmembrane transporter activity; metal ion binding

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