

Recombinant Human ATP5S 293 Cell Lysate

Cat. No. ATP5S-8594HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for ATP synthase, H⁺ transporting, mitochondrial F₀ 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.

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

ATP5S?ATP synthase, H⁺ transporting, mitochondrial Fo complex, subunit s (factor B) [?Homo sapiens?(human)]

Official Symbol

ATP5S

Synonyms

ATP5S; ATP synthase, H⁺ 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⁺ 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

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biosystem

Function

hydrogen ion transmembrane transporter activity; metal ion binding

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