

Recombinant Human ATP5J 293 Cell Lysate

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

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for ATP synthase, H⁺ 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.

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

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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