

Recombinant Human UCP2 293 Cell Lysate

Cat. No. UCP2-525HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for uncoupling protein 2 (mitochondrial, proton carrier) (UCP2), nuclear gene encoding mitochondrial protein 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	UCP2 uncoupling protein 2 (mitochondrial, proton carrier) [Homo sapiens]
Official Symbol	UCP2
Synonyms	UCP2; uncoupling protein 2 (mitochondrial, proton carrier); mitochondrial uncoupling protein 2; SLC25A8; UCP 2; solute carrier family 25 member 8; UCPH; BMIQ4;
Gene ID	7351
mRNA Refseq	NM_003355
Protein Refseq	NP_003346
MIM	601693
UniProt ID	P55851
Chromosome Location	11q13
Pathway	Electron Transport Chain, organism-specific biosystem; Energy Metabolism, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Metabolism, organism-specific biosystem; Mitochondrial Uncoupling Proteins, organism-specific biosystem; Respiratory electron transport, ATP synthesis by chemiosmotic coupling, and heat production by uncoupling

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proteins., organism-specific biosystem; The citric acid (TCA) cycle and respiratory electron transport, organism-specific biosystem;

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