

Recombinant Human UCP1 293 Cell Lysate, Flag-tagged

Cat. No. UCP1-526HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Transfected cells were cultured for 48hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix, 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit. Cell lysates were aliquoted and stored at -20°C before shipping.
Molecular Mass	32.8 kDa
Components	1 vial of 100 g gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 g empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Size	0.1 mg
Storage Instruction	The lysate is shipped with dry ice. Upon receiving, store the sample at -20°C. Lysate samples are stable for 12 months from date of receipt when stored at -20°C. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -

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20°C for long term storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

Applications

E, IP, WB. 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 UCP1 uncoupling protein 1 (mitochondrial, proton carrier) [Homo sapiens]

Official Symbol UCP1

Synonyms UCP1; uncoupling protein 1 (mitochondrial, proton carrier); UCP; mitochondrial brown fat uncoupling protein 1; SLC25A7; thermogenin; solute carrier family 25 member 7;

Gene ID 7350

mRNA Refseq NM_021833

Protein Refseq NP_068605

MIM 113730

UniProt ID P25874

Chromosome Location 4q28-q31

Pathway Adipogenesis, organism-specific biosystem; Electron Transport Chain, organism-specific biosystem; Huntingtons disease, organism-specific biosystem; Huntingtons

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disease, conserved biosystem; Metabolism, organism-specific biosystem;
Mitochondrial Uncoupling Proteins, organism-specific biosystem; PPAR signaling
pathway, organism-specific biosystem;

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