Recombinant Human UCP3 293 Cell Lysate

Cat. No. UCP3-524HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for uncoupling protein 3 (mitochondrial, proton carrier) (UCP3), nuclear gene encoding mitochondrial protein, transcript variant long 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	UCP3 uncoupling protein 3 (mitochondrial, proton carrier) [Homo sapiens]
Official Symbol	UCP3
Synonyms	UCP3; uncoupling protein 3 (mitochondrial, proton carrier); mitochondrial uncoupling protein 3; SLC25A9; UCP 3; Uncoupling protein-3; solute carrier family 25 member 9;
Gene ID	7352
mRNA Refseq	NM_003356
Protein Refseq	NP_003347
MIM	602044
UniProt ID	P55916
Chromosome Location	11q13.4
Pathway	Diurnally regulated genes with circadian orthologs, organism-specific biosystem; Electron Transport Chain, organism-specific biosystem; Energy Metabolism, 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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