

Recombinant Human PPARGC1B 293 Cell Lysate

Cat. No. PPARGC1B-2984HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for peroxisome proliferator-activated receptor gamma, coactivator 1 beta (PPARGC1B) 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 PPARGC1B peroxisome proliferator-activated receptor gamma, coactivator 1 beta [Homo sapiens]

Official Symbol PPARGC1B

Synonyms PPARGC1B; peroxisome proliferator-activated receptor gamma, coactivator 1 beta; peroxisome proliferative activated receptor, gamma, coactivator 1, beta; peroxisome proliferator-activated receptor gamma coactivator 1-beta; PERC; PGC1B; PPARGC-1-beta; PPAR-gamma coactivator 1-beta; PGC-1-related estrogen receptor alpha coactivator; ERRL1; PGC-1(beta); FLJ14284; DKFZp686C1790;

Gene ID 133522

mRNA Refseq NM_133263

Protein Refseq NP_573570

MIM 608886

UniProt ID Q86YN6

Chromosome Location 5q33.1

Pathway Energy Metabolism, organism-specific biosystem; Fatty acid, triacylglycerol, and

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ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Mitochondrial Gene Expression, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem;

Function

AF-2 domain binding; RNA binding; RNA polymerase II transcription cofactor activity; estrogen receptor binding; ligand-dependent nuclear receptor transcription coactivator activity; nucleotide binding; receptor activator activity;

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