

Recombinant Human PPARA 293 Cell Lysate

Cat. No. PPARA-2987HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
ProteinLength	1-468 a.a.
Description	Antigen standard for peroxisome proliferator-activated receptor alpha (PPARA), transcript variant 5 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

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shipment.

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

PPARA peroxisome proliferator-activated receptor alpha [Homo sapiens]

Official Symbol

PPARA

Synonyms

PPARA; peroxisome proliferator-activated receptor alpha; peroxisome proliferative activated receptor, alpha , PPAR; hPPAR; NR1C1; PPAR-alpha; nuclear receptor subfamily 1 group C member 1; peroxisome proliferative activated receptor, alpha; peroxisome proliferator-activated nuclear receptor alpha variant 3; PPAR; PPARalpha; MGC2237; MGC2452;

Gene ID

5465

mRNA Refseq

NM_001001928

Protein Refseq

NP_001001928

UniProt ID

Q07869

Chromosome Location

22q12-q13.1

Pathway

Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem;

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BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem;
Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by
REV-ERBA, organism-specific biosystem; Developmental Biology, organism-specific
biosystem;

Function

DNA binding; MDM2 binding; drug binding; ligand-activated sequence-specific DNA
binding RNA polymerase II transcription factor activity; lipid binding; metal ion binding;
protein binding; protein domain specific binding; receptor activity; sequence-specific
DNA binding; sequence-specific DNA binding transcription factor activity; sequence-
specific DNA binding transcription factor activity; steroid hormone receptor activity;
ubiquitin conjugating enzyme binding; zinc ion binding;