

Recombinant Human PDHA2 293 Cell Lysate

Cat. No. PDHA2-3333HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for pyruvate dehydrogenase (lipoamide) alpha 2 (PDHA2) 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

PDHA2 pyruvate dehydrogenase (lipoamide) alpha 2 [Homo sapiens]

Official Symbol

PDHA2

Synonyms

PDHA2; pyruvate dehydrogenase (lipoamide) alpha 2; PDHAL; pyruvate dehydrogenase E1 component subunit alpha, testis-specific form, mitochondrial; PDHE1-A type II; pyruvate dehydrogenase, E1-alpha polypeptide, testis specific; MGC149517; MGC149518;

Gene ID

5161

mRNA Refseq

NM_005390

Protein Refseq

NP_005381

MIM

179061

UniProt ID

P29803

Chromosome Location

4q22-q23

Pathway

Acetylcholine Synthesis, organism-specific biosystem; Butanoate metabolism, organism-specific biosystem; Butanoate metabolism, conserved biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved

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biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis, conserved biosystem;

Function

oxidoreductase activity; pyruvate dehydrogenase (acetyl-transferring) activity;

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