

Recombinant Human PDHX 293 Cell Lysate

Cat. No. PDHX-3332HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for pyruvate dehydrogenase complex, component X (PDHX), nuclear gene encoding mitochondrial protein, transcript variant 1 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 PDHX pyruvate dehydrogenase complex, component X [Homo sapiens]

Official Symbol PDHX

Synonyms PDHX; pyruvate dehydrogenase complex, component X; pyruvate dehydrogenase protein X component, mitochondrial; DLDBP; E3BP; OPDX; PDX1; proX; pyruvate dehydrogenase complex, E3-binding protein subunit; lipoyl-containing pyruvate dehydrogenase complex component X; pyruvate dehydrogenase complex, lipoyl-containing component X; dihydrolipoamide dehydrogenase-binding protein of pyruvate dehydrogenase complex;

Gene ID 8050

mRNA Refseq NM_001135024

Protein Refseq NP_001128496

MIM 608769

UniProt ID O00330

Chromosome Location 11p13

Pathway Glycolysis and Gluconeogenesis, organism-specific biosystem; Metabolic pathways,

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organism-specific biosystem; Metabolism, organism-specific biosystem; Pyruvate metabolism, organism-specific biosystem; Pyruvate metabolism and Citric Acid (TCA) cycle, organism-specific biosystem; Pyruvate oxidation, pyruvate =>acetyl-CoA, organism-specific biosystem;

Function

transferase activity, transferring acyl groups;

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