

Recombinant Human PFKL 293 Cell Lysate

Cat. No. PFKL-3272HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphofructokinase, liver (PFKL), transcript variant 2 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

PFKL phosphofructokinase, liver [Homo sapiens]

Official Symbol

PFKL

Synonyms

PFKL; phosphofructokinase, liver; 6-phosphofructokinase, liver type; phosphohexokinase; phosphofructokinase 1; liver-type 1-phosphofructokinase; phosphofructo-1-kinase isozyme B; PFK-B; FLJ30173; FLJ40909; DKFZp686G1648; DKFZp686L2097;

Gene ID

5211

mRNA Refseq

NM_002626

Protein Refseq

NP_002617

MIM

171860

UniProt ID

P17858

Chromosome Location

21q22.3

Pathway

Fructose and mannose metabolism, organism-specific biosystem; Fructose and mannose metabolism, conserved biosystem; Galactose metabolism, organism-specific biosystem; Galactose metabolism, conserved biosystem; Glucose

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metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem;
Glycolysis (Embden-Meyerhof pathway), glucose =>

Function

6-phosphofructokinase activity; contributes_to 6-phosphofructokinase activity; ATP
binding; fructose binding; fructose-6-phosphate binding; identical protein binding;
kinase activity; kinase binding; metal ion binding; nucleotide binding; protein binding;
transferase activity;

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