

Recombinant Human PFKFB4 293 Cell Lysate

Cat. No. PFKFB4-3274HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 (PFKFB 4) 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/DK 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

PFKFB4 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4 [Homo sapiens]

Official Symbol

PFKFB4

Synonyms

PFKFB4; 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 4; 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 4; PFK/FBPase 4; 6PF-2-K/Fru-2,6-P2ase 4; 6PF-2-K/Fru-2,6-P2ase testis-type isozyme; 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase-4; bifunctional enzyme with kinase and biphosphatase activities;

Gene ID

5210

mRNA Refseq

NM_004567

Protein Refseq

NP_004558

MIM

605320

UniProt ID

Q16877

Chromosome Location

3p22-p21

Pathway

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

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biosystem; Metabolism of carbohydrates, organism-specific biosystem;

Function

6-phosphofructo-2-kinase activity; 6-phosphofructo-2-kinase activity; ATP binding; fructose-2,6-bisphosphate 2-phosphatase activity; hydrolase activity; identical protein binding; kinase activity; nucleotide binding; transferase activity;

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