

Recombinant Human PKM2 293 Cell Lysate

Cat. No. PKM2-3153HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for pyruvate kinase, muscle (PKM2), 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

PKM2 pyruvate kinase, muscle [Homo sapiens]

Official Symbol

PKM2

Synonyms

PKM2; pyruvate kinase, muscle; pyruvate kinase isozymes M1/M2; OIP3; PK3; THBP1; p58; OIP-3; tumor M2-PK; PK, muscle type; pyruvate kinase 2/3; OPA-interacting protein 3; pyruvate kinase muscle isozyme; thyroid hormone-binding protein 1; cytosolic thyroid hormone-binding protein; thyroid hormone-binding protein, cytosolic; PKM; TCB; CTHBP; MGC3932;

Gene ID

5315

mRNA Refseq

NM_002654

Protein Refseq

NP_002645

MIM

179050

UniProt ID

P14618

**Chromosome
Location**

15q23

Pathway

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

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specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose => pyruvate,
conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem;

Function

ATP binding; magnesium ion binding; nucleotide binding; potassium ion binding;
protein binding; pyruvate kinase activity; transferase activity;

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