

Recombinant Human PKM2 293 Cell Lysate

Cat. No. PKM2-3152HCL **Lot. No.** (See product label)

SPECIFICATION

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

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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_182470
Protein Refseq	NP_872270
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-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose => pyruvate, conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem;

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Function

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

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