

Recombinant Human PGAM2 293 Cell Lysate

Cat. No. PGAM2-3263HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for phosphoglycerate mutase 2 (muscle) (PGAM2) 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	PGAM2 phosphoglycerate mutase 2 (muscle) [Homo sapiens]
Official Symbol	PGAM2
Synonyms	PGAM2; phosphoglycerate mutase 2 (muscle); phosphoglycerate mutase 2; PGAM M; BPG-dependent PGAM 2; phosphoglycerate mutase isozyme M; muscle-specific phosphoglycerate mutase; GSD10; PGAMM; PGAM-M; MGC88743;
Gene ID	5224
mRNA Refseq	NM_000290
Protein Refseq	NP_000281
MIM	612931
UniProt ID	P15259
Chromosome Location	7p13-p12
Pathway	Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate =>fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem;
Function	2,3-bisphosphoglycerate-dependent phosphoglycerate mutase activity;

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bisphosphoglycerate 2-phosphatase activity; bisphosphoglycerate mutase activity; cofactor binding; hydrolase activity; isomerase activity; phosphoglycerate mutase activity;

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