

Recombinant Human PGAM1 293 Cell Lysate

Cat. No. PGAM1-3264HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphoglycerate mutase 1 (brain) (PGAM1) 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

PGAM1 phosphoglycerate mutase 1 (brain) [Homo sapiens]

Official Symbol

PGAM1

Synonyms

PGAM1; phosphoglycerate mutase 1 (brain); PGAMA; phosphoglycerate mutase 1; PGAM B; Phosphoglycerate mutase A; nonmuscle form; BPG-dependent PGAM 1; phosphoglycerate mutase isozyme B; phosphoglycerate mutase A, nonmuscle form; PGAM-B;

Gene ID

5223

mRNA Refseq

NM_002629

Protein Refseq

NP_002620

MIM

172250

UniProt ID

P18669

Chromosome Location

10q25.3

Pathway

Gluconeogenesis, organism-specific biosystem; Gluconeogenesis, oxaloacetate =>fructose-6P, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, conserved biosystem; Glucose metabolism, organism-specific

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biosystem; Glycine, serine and threonine metabolism, organism-specific biosystem;

Function

bisphosphoglycerate 2-phosphatase activity; bisphosphoglycerate mutase activity;
hydrolase activity; isomerase activity; phosphoglycerate mutase activity;
phosphoglycerate mutase activity; protein kinase binding;

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