Recombinant Human BPGM 293 Cell Lysate

Cat. No. BPGM-8417HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for 2,3-bisphosphoglycerate mutase (BPGM), 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	BPGM 2,3-bisphosphoglycerate mutase [Homo sapiens]
Official Symbol	BPGM
Synonyms	BPGM; 2,3-bisphosphoglycerate mutase; bisphosphoglycerate mutase; BPG-dependent PGAM; 2,3-diphosphoglycerate mutase; 2,3-bisphosphoglycerate synthase; erythrocyte 2,3-bisphosphoglycerate mutase; 2,3-bisphosphoglycerate mutase, erythrocyte; DPGM;
Gene ID	669
mRNA Refseq	NM_001724
Protein Refseq	NP_001715
MIM	613896
UniProt ID	P07738
Chromosome Location	7q31-q34
Pathway	Glycine, serine and threonine metabolism, organism-specific biosystem; Glycine, serine and threonine metabolism, conserved biosystem; Glycolysis / Gluconeogenesis, organism-specific biosystem; Glycolysis / Gluconeogenesis,

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	conserved biosystem; Metabolic pathways, organism-specific biosystem; Rapoport-Luebering glycolytic shunt, organism-specific biosystem; Rapoport-Luebering glycolytic shunt, conserved biosystem;
Function	bisphosphoglycerate 2-phosphatase activity; bisphosphoglycerate mutase activity; hydrolase activity; isomerase activity; phosphoglycerate mutase activity;

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