

Recombinant Human GPI 293 Cell Lysate

Cat. No. GPI-5806HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glucose phosphate isomerase (GPI) 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

GPI glucose-6-phosphate isomerase [Homo sapiens]

Official Symbol

GPI

Synonyms

GPI; glucose-6-phosphate isomerase; glucose phosphate isomerase; AMF; NLK; neuroleukin; oxoisomerase; sperm antigen 36; sperm antigen-36; phosphohexomutase; phosphosaccharomutase; phosphohexose isomerase; phosphoglucose isomerase; autocrine motility factor; hexosephosphate isomerase; hexose monophosphate isomerase; PGI; PHI; GNPI; SA36; SA-36; DKFZp686C13233;

Gene ID

2821

mRNA Refseq

NM_000175

Protein Refseq

NP_000166

MIM

172400

UniProt ID

P06744

Chromosome Location

19q13.1

Pathway

Amino sugar and nucleotide sugar metabolism, organism-specific biosystem; Amino

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sugar and nucleotide sugar metabolism, conserved biosystem; Gluconeogenesis, organism-specific biosystem; Glucose metabolism, organism-specific biosystem; Glycolysis, organism-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose =>pyruvate, organism-specific biosystem;

Function

cytokine activity; glucose-6-phosphate isomerase activity; glucose-6-phosphate isomerase activity; growth factor activity; isomerase activity;

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