

Recombinant Human G6PC2 293 Cell Lysate

Cat. No. G6PC2-6081HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for glucose-6-phosphatase, catalytic, 2 (G6PC2), 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.
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

 Tel: 1-631-559-9269 1-516-512-3133

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	G6PC2 glucose-6-phosphatase, catalytic, 2 [Homo sapiens]
Official Symbol	G6PC2
Synonyms	G6PC2; glucose-6-phosphatase, catalytic, 2; glucose-6-phosphatase 2; IGRP; islet specific glucose 6 phosphatase catalytic subunit related protein; G6Pase 2; G-6-Pase 2; islet-specific G6CP-related protein; islet-specific glucose-6-phosphatase-related protein; islet-specific glucose-6-phosphatase catalytic subunit-related protein; MGC141936;
Gene ID	57818
mRNA Refseq	NM_021176
Protein Refseq	NP_066999
MIM	608058
UniProt ID	Q9NQR9
Chromosome Location	2q24-q31
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Galactose metabolism, organism-specific biosystem; Galactose

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metabolism, conserved biosystem; Glucose transport, organism-specific biosystem;

Function

glucose-6-phosphatase activity; hydrolase activity;

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