Recombinant Human PGS1 293 Cell Lysate

Cat. No. PGS1-3246HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for phosphatidylglycerophosphate synthase 1 (PGS1) 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	PGS1 phosphatidylglycerophosphate synthase 1 [Homo sapiens]
Official Symbol	PGS1
Synonyms	PGS1; phosphatidylglycerophosphate synthase 1; CDP-diacylglycerol--glycerol-3-phosphate 3-phosphatidyltransferase, mitochondrial; DKFZP762M186; PGP synthase 1; MGC131960; DKFZp762M186;
Gene ID	9489
mRNA Refseq	NM_024419
Protein Refseq	NP_077733
UniProt ID	Q32NB8
Chromosome Location	17q25.3
Pathway	Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; cardiolipin biosynthesis II, organism-specific biosystem; cardiolipin biosynthesis II, conserved biosystem; phosphatidylglycerol biosynthesis II (non-plastidic), organism-specific biosystem;

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Function	ATP binding; CDP-diacylglycerol-glycerol-3-phosphate 3-phosphatidyltransferase activity; calcium ion binding; nucleotide binding; phosphotransferase activity, for other substituted phosphate groups; transferase activity;

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