

Recombinant Human PIGK 293 Cell Lysate

Cat. No. PIGK-3197HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphatidylinositol glycan anchor biosynthesis, class K (PIGK) 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

PIGK phosphatidylinositol glycan anchor biosynthesis, class K [Homo sapiens]

Official Symbol

PIGK

Synonyms

PIGK; phosphatidylinositol glycan anchor biosynthesis, class K; phosphatidylinositol glycan, class K; GPI-anchor transamidase; GPI transamidase subunit; GPI8; hGPI8; PIG-K; GPI8 homolog; phosphatidylinositol-glycan biosynthesis class K protein; MGC22559;

Gene ID

10026

mRNA Refseq

NM_005482

Protein Refseq

NP_005473

MIM

605087

UniProt ID

Q92643

Chromosome Location

1p31.1

Pathway

Attachment of GPI anchor to uPAR, organism-specific biosystem;
Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, organism-specific biosystem;
Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, conserved biosystem;

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Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Post-translational modification: synthesis of GPI-anchored proteins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem;

Function

contributes_to GPI anchor binding; GPI-anchor transamidase activity; GPI-anchor transamidase activity; cysteine-type endopeptidase activity; peptidase activity; protein binding;

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