Recombinant Human PIGK 293 Cell Lysate

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

SPECIFICATION

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.
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

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

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	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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