Recombinant Human GPAA1 293 Cell Lysate

Cat. No. GPAA1-5819HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast) (GPAA1) 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	GPAA1 glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast) [Homo sapiens]
Official Symbol	GPAA1
Synonyms	GPAA1; glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast); anchor attachment protein 1 (Gaa1p, yeast) homolog , GPAA1P anchor attachment protein 1 homolog (yeast); glycosylphosphatidylinositol anchor attachment 1 protein; GAA1; GPI transamidase subunit; hGAA1; GAA1 protein homolog; GPI anchor attachment protein 1; GPAA1P anchor attachment protein 1 homolog; glycophosphatidylinositol anchor attachment 1; anchor attachment protein 1 (Gaa1p, yeast) homolog;
Gene ID	8733
mRNA Refseq	NM_003801
Protein Refseq	NP_003792
MIM	603048
UniProt ID	O43292
Chromosome Location	8q24.3

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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 proteins, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem;
Function	contributes_to GPI anchor binding; contributes_to GPI-anchor transamidase activity; protein binding; tubulin binding;

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