

Recombinant Human GPAA1 293 Cell Lysate

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

SPECIFICATION

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.
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	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; glycoposphatidylinositol 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
Pathway	Attachment of GPI anchor to uPAR, organism-specific biosystem;

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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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