Recombinant Human PTPLA 293 Cell Lysate

Cat. No. PTPLA-2689HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A (PTPLA) 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	PTPLA protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A [Homo sapiens]
Official Symbol	PTPLA
Synonyms	PTPLA; protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A; protein tyrosine phosphatase like (proline instead of catalytic arginine), member a; 3-hydroxyacyl-CoA dehydratase 1; CAP; cementum attachment protein; protein-tyrosine phosphatase-like member A; HACD1;
Gene ID	9200
mRNA Refseq	NM_014241
Protein Refseq	NP_055056
MIM	610467
UniProt ID	B0YJ81
Chromosome Location	10p14-p13
Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty acid biosynthesis, elongation,

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	endoplasmic reticulum, organism-specific biosystem; Fatty acid biosynthesis, elongation, endoplasmic reticulum, conserved biosystem; Fatty acid elongation, organism-specific biosystem; Fatty acid elongation, conserved biosystem;
Function	lyase activity; protein tyrosine phosphatase activity;

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