

Recombinant Human PNPLA4 293 Cell Lysate

Cat. No. PNPLA4-3067HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for patatin-like phospholipase domain containing 4 (PNPLA4), transcript variant 1 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

PNPLA4 patatin-like phospholipase domain containing 4 [Homo sapiens]

Official Symbol

PNPLA4

Synonyms

PNPLA4; patatin-like phospholipase domain containing 4; patatin-like phospholipase domain-containing protein 4; DXS1283E; GS2; IPLA2 eta; calcium independent phospholipases A2 eta;

Gene ID

8228

mRNA Refseq

NM_001142389

Protein Refseq

NP_001135861

MIM

300102

UniProt ID

P41247

Chromosome Location

Xp22.3

Pathway

Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; triacylglycerol degradation, organism-specific biosystem;

Function

hydrolase activity; molecular_function; retinyl-palmitate esterase activity; triglyceride

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lipase activity;

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