

Recombinant Human PNPLA3 293 Cell Lysate

Cat. No. PNPLA3-3068HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for patatin-like phospholipase domain containing 3 (PNPLA3) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [PNPLA3 patatin-like phospholipase domain containing 3 \[Homo sapiens \]](#)

Official Symbol PNPLA3

Synonyms

PNPLA3; patatin-like phospholipase domain containing 3; adiponutrin , ADPN, C22orf20, chromosome 22 open reading frame 20; patatin-like phospholipase domain-containing protein 3; adiponutrin; dJ796I17.1; FLJ22012; iPLA2-epsilon; acylglycerol O-acyltransferase; calcium-independent phospholipase A2-epsilon; ADPN; C22orf20; iPLA(2)epsilon;

Gene ID [80339](#)

mRNA Refseq [NM_025225](#)

Protein Refseq [NP_079501](#)

MIM [609567](#)

UniProt ID [Q9NST1](#)

Chromosome Location 22q13.31

Pathway

Acylglycerol degradation, organism-specific biosystem; Acylglycerol degradation, conserved biosystem; Adipogenesis, organism-specific biosystem; Glycerolipid

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function

diolein transacylation activity; hydrolase activity; mono-olein transacylation activity; phospholipase A2 activity; retinyl-palmitate esterase activity; transferase activity, transferring acyl groups; triglyceride lipase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA