

Recombinant Human GNPAT 293 Cell Lysate

Cat. No. GNPAT-5843HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for glyceronephosphate O-acyltransferase (GNPAT) 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

GNPAT glyceronephosphate O-acyltransferase [Homo sapiens]

Official Symbol

GNPAT

Synonyms

GNPAT; glyceronephosphate O-acyltransferase; dihydroxyacetone phosphate acyltransferase; DAP AT; DAPAT; DHAPAT; DHAP-AT; glycerone-phosphate O-acyltransferase; acyl-CoA: dihydroxyacetonephosphate acyltransferase; DAP-AT;

Gene ID

8443

mRNA Refseq

NM_014236

Protein Refseq

NP_055051

MIM

602744

UniProt ID

O15228

**Chromosome
Location**

1q42

Pathway

Glycerophospholipid metabolism, organism-specific biosystem; Glycerophospholipid metabolism, conserved biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; Peroxisomal lipid metabolism, organism-specific biosystem; Peroxisome, organism-specific biosystem;

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Peroxisome, conserved biosystem;

Function

glycerol-3-phosphate O-acyltransferase activity; glycerone-phosphate O-acyltransferase activity; glycerone-phosphate O-acyltransferase activity; palmitoyl-CoA hydrolase activity; transferase activity, transferring acyl groups;

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