

Recombinant Human PLA2G6 293 Cell Lysate

Cat. No. PLA2G6-3139HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phospholipase A2, group VI (cytosolic, calcium-independent) (PLA2G6), transcript variant 2 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

PLA2G6 phospholipase A2, group VI (cytosolic, calcium-independent) [Homo sapiens]

Official Symbol

PLA2G6

Synonyms

PLA2G6; phospholipase A2, group VI (cytosolic, calcium-independent); 85 kDa calcium-independent phospholipase A2; iPLA2; PARK14; PNPLA9; GVI PLA2; group VI phospholipase A2; calcium-independent phospholipase A2; patatin-like phospholipase domain containing 9; cytosolic, calcium-independent phospholipase A2; GVI; PLA2; INAD1; NBIA2A; NBIA2B; Cal-PLA2; IPLA2-VIA;

Gene ID

8398

mRNA Refseq

NM_001004426

Protein Refseq

NP_001004426

MIM

603604

UniProt ID

O60733

Chromosome Location

22q13.1

Pathway

Arachidonic acid metabolism, organism-specific biosystem; Arachidonic acid

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metabolism, conserved biosystem; Eicosanoid Synthesis, organism-specific biosystem; Ether lipid metabolism, organism-specific biosystem; Ether lipid metabolism, conserved biosystem; Fat digestion and absorption, organism-specific biosystem; Fat digestion and absorption, conserved biosystem;

Function

calcium-independent phospholipase A2 activity; hydrolase activity; phospholipase A2 activity;

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