

Recombinant Human PIK3CG 293 Cell Lysate

Cat. No. PIK3CG-3186HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphoinositide-3-kinase, catalytic, gamma polypeptide (PIK3CG) 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

PIK3CG phosphoinositide-3-kinase, catalytic, gamma polypeptide [Homo sapiens]

Official Symbol

PIK3CG

Synonyms

PIK3CG; phosphoinositide-3-kinase, catalytic, gamma polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit gamma isoform; p110gamma; p120-PI3K; PI3K-gamma; p110-gamma; PI3-kinase subunit gamma; ptdIns-3-kinase subunit gamma; 1-phosphatidylinositol 3-kinase; ptdIns-3-kinase subunit p110-gamma; serine/threonine protein kinase PIK3CG; phosphatidylinositol 3 kinase gamma, p110 gamma; phosphoinositide-3-kinase gamma catalytic subunit; phosphatidylinositol 3-kinase catalytic 110-kD gamma; phosphatidylinositol 3-kinase, catalytic, gamma polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit gamma; PI3K; PIK3; PI3CG; PI3Kgamma;

Gene ID

5294

mRNA Refseq

NM_002649

Protein Refseq

NP_002640

MIM

601232

UniProt ID

P48736

Chromosome

7q22

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Location	
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Alpha6-Beta4 Integrin Signaling Pathway, organism-specific biosystem;
Function	1-phosphatidylinositol-3-kinase activity; ATP binding; binding; ephrin receptor binding; nucleotide binding; phosphatidylinositol 3-kinase activity; phosphatidylinositol-4,5-bisphosphate 3-kinase activity; protein kinase activity; protein serine/threonine kinase activity;

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