

Recombinant Human PIK3CD 293 Cell Lysate

Cat. No. PIK3CD-3187HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for phosphoinositide-3-kinase, catalytic, delta polypeptide (PIK3CD) 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PIK3CD phosphoinositide-3-kinase, catalytic, delta polypeptide [Homo sapiens]
Official Symbol	PIK3CD
Synonyms	PIK3CD; phosphoinositide-3-kinase, catalytic, delta polypeptide; phosphatidylinositol-4,5-bisphosphate 3-kinase catalytic subunit delta isoform; p110D; phosphatidylinositol 3 kinase; catalytic; delta polypeptide; phosphoinositide 3 kinase C; PI3Kdelta; phosphoinositide-3-kinase C; PI3-kinase p110 subunit delta; ptdlns-3-kinase subunit p110-delta; phosphoinositide-3-kinase, catalytic, delta polypeptide variant p37delta; phosphatidylinositol-4,5-bisphosphate 3-kinase 110 kDa catalytic subunit delta; PI3K; P110DELTA;
Gene ID	5293
mRNA Refseq	NM_005026
Protein Refseq	NP_005017
MIM	602839
UniProt ID	O00329
Chromosome Location	1p36.2
Pathway	3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; Acute myeloid leukemia, organism-specific

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biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem;

Function

1-phosphatidylinositol-3-kinase activity; 1-phosphatidylinositol-3-kinase activity; ATP binding; binding; nucleotide binding; phosphatidylinositol 3-kinase activity; phosphatidylinositol-4,5-bisphosphate 3-kinase activity; phosphotransferase activity, alcohol group as acceptor;

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