

Recombinant Human PIK3R5 293 Cell Lysate

Cat. No. PIK3R5-3182HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphoinositide-3-kinase, regulatory subunit 5 (PIK3R5), 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

PIK3R5 phosphoinositide-3-kinase, regulatory subunit 5 [Homo sapiens]

Official Symbol

PIK3R5

Synonyms

PIK3R5; phosphoinositide-3-kinase, regulatory subunit 5; phosphoinositide 3-kinase regulatory subunit 5; p101; P101 PI3K; protein FOAP-2; ptdIns-3-kinase p101; PI3-kinase p101 subunit; phosphatidylinositol-4,5-bisphosphate 3-kinase regulatory subunit; FOAP-2; P101-PI3K; F730038I15Rik; FLJ26116;

Gene ID

23533

mRNA Refseq

NM_001142633

Protein Refseq

NP_001136105

MIM

611317

UniProt ID

Q8WYR1

Chromosome Location

17p13.1

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

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sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem; Amoebiasis, organism-specific biosystem;

Function

1-phosphatidylinositol-3-kinase regulator activity; phosphatidylinositol-4,5-bisphosphate 3-kinase activity;

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