Recombinant Human PIK3R5 293 Cell Lysate

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

SPECIFICATION

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

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

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