

Recombinant Human PIK3R3 293 Cell Lysate

Cat. No. PIK3R3-3184HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for phosphoinositide-3-kinase, regulatory subunit 3 (gamma) (PIK3R3), transcript variant 1 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	PIK3R3 phosphoinositide-3-kinase, regulatory subunit 3 (gamma) [Homo sapiens]
Official Symbol	PIK3R3
Synonyms	PIK3R3; phosphoinositide-3-kinase, regulatory subunit 3 (gamma); phosphatidylinositol 3-kinase regulatory subunit gamma; p55; p55PIK; PI3-kinase subunit p55-gamma; PI3K regulatory subunit gamma; 100% homology to SWISS-PROT Q92569; PI3-kinase regulatory subunit gamma; ptdIns-3-kinase regulatory subunit gamma; ptdIns-3-kinase regulatory subunit p55-gamma; phosphoinositide-3-kinase, regulatory subunit 3 (p55, gamma); phosphatidylinositol 3-kinase 55 kDa regulatory subunit gamma; phosphoinositide-3-kinase, regulatory subunit, polypeptide 3 (p55, gamma); phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 3 (p55, gamma); p55-GAMMA; FLJ41892; DKFZp686P05226;
Gene ID	8503
mRNA Refseq	NM_001114172
Protein Refseq	NP_001107644
MIM	606076
UniProt ID	Q92569
Chromosome Location	1p34.1

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Pathway

3-phosphoinositide biosynthesis, organism-specific biosystem; 3-phosphoinositide biosynthesis, conserved biosystem; Acute myeloid leukemia, organism-specific 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 regulator activity; kinase activity;

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