

Recombinant Human PAK7 293 Cell Lysate

Cat. No. PAK7-3453HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for p21 protein (Cdc42/Rac)-activated kinase 7 (PAK7), 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.

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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

PAK7 p21 protein (Cdc42/Rac)-activated kinase 7 [Homo sapiens]

Official Symbol

PAK7

Synonyms

PAK7; p21 protein (Cdc42/Rac)-activated kinase 7; p21(CDKN1A) activated kinase 7; serine/threonine-protein kinase PAK 7; KIAA1264; PAK5; PAK-5; PAK-7; protein kinase PAK5; p21-activated kinase 5; p21-activated kinase 7; p21CDKN1A-activated kinase 7; p21(CDKN1A)-activated kinase 7; serine/threonine-protein kinase PAK7; MGC26232;

Gene ID

57144

mRNA Refseq

NM_020341

Protein Refseq

NP_065074

MIM

608038

UniProt ID

Q9P286

Chromosome Location

20p12

Pathway

Activation of Rac, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific

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biosystem; Developmental Biology, organism-specific biosystem; ErbB signaling pathway, organism-specific biosystem; ErbB signaling pathway, conserved biosystem;

Function

ATP binding; nucleotide binding; protein serine/threonine kinase activity;

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