

Recombinant Human ARPC5 293 Cell Lysate

Cat. No. ARPC5-8683HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for actin related protein 2/3 complex, subunit 5, 16kDa (ARPC5) 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

ARPC5 actin related protein 2/3 complex, subunit 5, 16kDa [Homo sapiens]

Official Symbol

ARPC5

Synonyms

ARPC5; actin related protein 2/3 complex, subunit 5, 16kDa; actin related protein 2/3 complex, subunit 5 (16 kD); actin-related protein 2/3 complex subunit 5; ARC16; Arp2/3 protein complex subunit p16; dJ127C7.3; p16 Arc; arp2/3 complex 16 kDa subunit; p16-Arc; MGC88523;

Gene ID

10092

mRNA Refseq

NM_005717

Protein Refseq

NP_005708

MIM

604227

UniProt ID

O15511

Chromosome Location

1q

Pathway

B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; CDC42 signaling events, organism-specific biosystem; ErbB1

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downstream signaling, organism-specific biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem;

Function

actin binding; protein binding; structural constituent of cytoskeleton;

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