

Recombinant Human ARPC1A 293 Cell Lysate

Cat. No. ARPC1A-8687HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for actin related protein 2/3 complex, subunit 1A, 41kDa (ARPC1A) 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

ARPC1A actin related protein 2/3 complex, subunit 1A, 41kDa [Homo sapiens]

Official Symbol

ARPC1A

Synonyms

ARPC1A; actin related protein 2/3 complex, subunit 1A, 41kDa; actin related protein 2/3 complex, subunit 1A (41 kD); actin-related protein 2/3 complex subunit 1A; actin binding protein (Schizosaccharomyces pombe sop2 like); Arc40; SOP2 like protein; SOP2HS; SOP2L; SOP2-like protein; actin binding protein (Schizosaccharomyces pombe sop2-like);

Gene ID

10552

mRNA Refseq

NM_001190996

Protein Refseq

NP_001177925

MIM

604220

UniProt ID

Q92747

**Chromosome
Location**

7q

Pathway

B Cell Receptor Signaling Pathway, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells,

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conserved biosystem; Fc gamma R-mediated phagocytosis, organism-specific biosystem; Fc gamma R-mediated phagocytosis, conserved biosystem; Pathogenic Escherichia coli infection, organism-specific biosystem; Pathogenic Escherichia coli infection, conserved biosystem;

Function

actin binding;

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