

Recombinant Human ACAP1 293 Cell Lysate

Cat. No. ACAP1-9110HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ArfGAP with coiled-coil, ankyrin repeat and PH domains 1 (ACAP1) 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

ACAP1 ArfGAP with coiled-coil, ankyrin repeat and PH domains 1 [Homo sapiens]

Official Symbol

ACAP1

Synonyms

ACAP1; ArfGAP with coiled-coil, ankyrin repeat and PH domains 1; centaurin, beta 1 , CENTB1; arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 1; KIAA0050; cnt-b1; centaurin-beta-1; centaurin, beta 1; Arf GAP with coiled coil, ANK repeat and PH domains 1; CENTB1;

Gene ID

9744

mRNA Refseq

NM_014716

Protein Refseq

NP_055531

MIM

607763

UniProt ID

Q15027

Chromosome Location

17p13.1

Pathway

Arf6 signaling events, organism-specific biosystem; Arf6 trafficking events, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem;

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Function

ARF GTPase activator activity; metal ion binding; phospholipase C activity; zinc ion binding;

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