

Recombinant Human ARHGAP1 293 Cell Lysate

Cat. No. ARHGAP1-8745HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Rho GTPase activating protein 1 (ARHGAP1) 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

ARHGAP1 Rho GTPase activating protein 1 [Homo sapiens]

Official Symbol

ARHGAP1

Synonyms

ARHGAP1; Rho GTPase activating protein 1; rho GTPase-activating protein 1; Cdc42GAP; CDC42GAP; p50rhoGAP; RhoGAP; p50-RhoGAP; CDC42 GTPase-activating protein; GTPase-activating protein rhoOGAP; rho-type GTPase-activating protein 1; rho-related small GTPase protein activator; RHOGAP; RHOGAP1;

Gene ID

392

mRNA Refseq

NM_004308

Protein Refseq

NP_004299

MIM

602732

UniProt ID

Q07960

Chromosome Location

11p11.2

Pathway

Regulation of CDC42 activity, organism-specific biosystem; Regulation of RAC1 activity, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Rho

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GTPases, organism-specific biosystem;

Function

GTPase activator activity; Rac GTPase activator activity; Rho GTPase activator activity; SH3 domain binding; SH3/SH2 adaptor activity; protein binding;

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