

Recombinant Human ARHGEF9 293 Cell Lysate

Cat. No. ARHGEF9-8728HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Cdc42 guanine nucleotide exchange factor (GEF) 9 (ARHGEF9) 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

ARHGEF9 Cdc42 guanine nucleotide exchange factor (GEF) 9 [Homo sapiens]

Official Symbol

ARHGEF9

Synonyms

ARHGEF9; Cdc42 guanine nucleotide exchange factor (GEF) 9; rho guanine nucleotide exchange factor 9; collybistin; KIAA0424; PEM 2; PEM-2 homolog; hPEM-2 collybistin; rac/Cdc42 guanine nucleotide exchange factor 9; PEM2; EIEE8; PEM-2; HPEM-2; COLLYBISTIN;

Gene ID

23229

mRNA Refseq

NM_001173479

Protein Refseq

NP_001166950

MIM

300429

UniProt ID

O43307

Chromosome Location

Xq11.1

Pathway

Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GABA A receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific

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biosystem; GPCR downstream signaling, organism-specific biosystem; Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem;

Function

Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity;

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