

Recombinant Human ARHGEF7 293 Cell Lysate

Cat. No. ARHGEF7-8729HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Rho guanine nucleotide exchange factor (GEF) 7 (ARHGEF7), transcript variant 1 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 [ARHGEF7 Rho guanine nucleotide exchange factor \(GEF\) 7 \[Homo sapiens \]](#)

Official Symbol ARHGEF7

Synonyms ARHGEF7; Rho guanine nucleotide exchange factor (GEF) 7; rho guanine nucleotide exchange factor 7; BETA PIX; COOL1; DKFZp686C12170; DKFZp761K1021; guanine nucleotide exchange factor 7; KIAA0142; Nbla10314; P50; P50BP; P85; P85COOL1; P85SPR; PAK interacting exchange factor beta; PAK3; PIXB; rho; SH3 domain containing proline rich protein; PAK-interacting exchange factor beta; SH3 domain-containing proline-rich protein; COOL-1; BETA-PIX;

Gene ID [8874](#)

mRNA Refseq [NM_001113511](#)

Protein Refseq [NP_001106983](#)

MIM [605477](#)

UniProt ID [Q14155](#)

Chromosome Location 13q33.3

Pathway Aurora A signaling, organism-specific biosystem; CDC42 signaling events, organism-

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specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem; Disease, organism-specific biosystem; EGFR downregulation, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem;

Function

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

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