

Recombinant Human ARHGEF7 293 Cell Lysate

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

SPECIFICATION

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.
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

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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-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem;

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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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