

Recombinant Human ARHGEF3 293 Cell Lysate

Cat. No. ARHGEF3-8731HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for Rho guanine nucleotide exchange factor (GEF) 3 (ARHGEF3), transcript variant 3 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 [ARHGEF3 Rho guanine nucleotide exchange factor \(GEF\) 3 \[Homo sapiens \]](#)

Official Symbol [ARHGEF3](#)

Synonyms [ARHGEF3](#); Rho guanine nucleotide exchange factor (GEF) 3; rho guanine nucleotide exchange factor 3; DKFZP434F2429; exchange factor found in platelets and leukemic and neuronal tissues; XPLN; GEF3; RhoGEF protein; STA3; 59.8 kDA protein; exchange factor found in platelets and leukemic and neuronal tissues, XPLN; FLJ98126; MGC118905; DKFZp434F2429;

Gene ID [50650](#)

mRNA Refseq [NM_001128615](#)

Protein Refseq [NP_001122087](#)

MIM [612115](#)

UniProt ID [Q9NR81](#)

Chromosome Location 3p21-p13

Pathway Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; NRAGE signals death through JNK, organism-specific biosystem; Regulation of RhoA activity, organism-specific

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biosystem; Rho GTPase cycle, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

Function

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

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