

Recombinant Human ARHGEF12 293 Cell Lysate

Cat. No. ARHGEF12-8734HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for Rho guanine nucleotide exchange factor (GEF) 12 (ARHGEF12) 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 ARHGEF12 Rho guanine nucleotide exchange factor (GEF) 12 [Homo sapiens]

Official Symbol ARHGEF12

Synonyms ARHGEF12; Rho guanine nucleotide exchange factor (GEF) 12; rho guanine nucleotide exchange factor 12; KIAA0382; LARG; leukemia-associated RhoGEF; leukemia-associated rho guanine nucleotide exchange factor; PRO2792; DKFZp686O2372;

Gene ID 23365

mRNA Refseq NM_001198665

Protein Refseq NP_001185594

MIM 604763

UniProt ID Q9NZN5

Chromosome Location 11q23.3

Pathway Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem; Developmental Biology, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem;

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Function

G-protein coupled receptor binding; GTPase activator activity; Rho guanyl-nucleotide exchange factor activity; guanyl-nucleotide exchange factor activity;

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