

Recombinant Human RHOQ 293 Cell Lysate

Cat. No. RHOQ-2347HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ras homolog gene family, member Q (RHOQ) 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

RHOQ ras homolog family member Q [Homo sapiens]

Official Symbol

RHOQ

Synonyms

RHOQ; ras homolog family member Q; ARHQ, ras homolog gene family, member Q , RAS like, family 7, member A , RASL7A; rho-related GTP-binding protein RhoQ; TC10; ras-like protein TC10; RAS-like, family 7, member A; ras homolog gene family, member Q; ras-like protein family member 7A; ARHQ; TC10A; RASL7A;

Gene ID

23433

mRNA Refseq

NM_012249

Protein Refseq

NP_036381

MIM

605857

UniProt ID

P17081

Chromosome Location

2p21

Pathway

Insulin Pathway, organism-specific biosystem; Insulin Signaling, organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem; Insulin signaling pathway, conserved biosystem; Insulin-mediated glucose transport, organism-specific

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

Function

GBD domain binding; GTP binding; GTPase activity; nucleotide binding; profilin binding;

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