

Recombinant Human RHOC 293 Cell Lysate

Cat. No. RHOC-2351HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for ras homolog gene family, member C (RHOC), 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.

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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

RHOC ras homolog family member C [Homo sapiens]

Official Symbol

RHOC

Synonyms

RHOC; ras homolog family member C; ARH9, ARHC, ras homolog gene family, member C; rho-related GTP-binding protein RhoC; RhoC; rhoC GTPase; oncogene RHO H9; rho cDNA clone 9; RAS-related homolog 9; small GTP binding protein RhoC; ras homolog gene family, member C; H9; ARH9; ARHC; RHOH9; MGC1448; MGC61427;

Gene ID

389

mRNA Refseq

NM_001042679

Protein Refseq

NP_001036144

MIM

165380

UniProt ID

P08134

**Chromosome
Location**

1p13.1

Pathway

Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; G alpha (12/13) signalling events, organism-specific biosystem;

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GPCR downstream signaling, organism-specific biosystem; Rho GTPase cycle, organism-specific biosystem; Sema4D in semaphorin signaling, organism-specific biosystem; Sema4D induced cell migration and growth-cone collapse, organism-specific biosystem;

Function

GTP binding; GTPase activity; nucleotide binding; protein binding; protein domain specific binding; signal transducer activity;

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