

Recombinant Human RND1 293 Cell Lysate

Cat. No. RND1-2314HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Rho family GTPase 1 (RND1) 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 [RND1 Rho family GTPase 1 \[Homo sapiens \]](#)

Official Symbol RND1

Synonyms RND1; Rho family GTPase 1; rho-related GTP-binding protein Rho6; ARHS; ras homolog gene family; member S; Rho6; RHOS; GTP-binding protein; ras homolog gene family, member S; RHO6; FLJ42294;

Gene ID [27289](#)

mRNA Refseq [NM_014470](#)

Protein Refseq [NP_055285](#)

MIM [609038](#)

UniProt ID [Q92730](#)

Chromosome Location 12q12

Pathway Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Developmental Biology, organism-specific biosystem; SEMA3A-Plexin repulsion signaling by inhibiting Integrin adhesion, organism-specific biosystem; Sema4D in semaphorin signaling, organism-

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specific biosystem; Sema4D induced cell migration and growth-cone collapse,
organism-specific biosystem;

Function

GTP binding; GTPase activity; nucleotide binding; protein binding; receptor binding;

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