

Recombinant Human RIT1 293 Cell Lysate

Cat. No. RIT1-2330HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Ras-like without CAAX 1 (RIT1) 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

RIT1 Ras-like without CAAX 1 [Homo sapiens]

Official Symbol

RIT1

Synonyms

RIT1; Ras-like without CAAX 1; Ric (Drosophila) like, expressed in many tissues , RIT; GTP-binding protein Rit1; GTP binding protein Roc1; MGC125864; MGC125865; RIBB; Ric like; expressed in many tissues; ROC1; GTP-binding protein Roc1; ras-like without CAAX protein 1; Ric-like, expressed in many tissues; ras-like protein expressed in many tissues; RIT;

Gene ID

6016

mRNA Refseq

NM_001256820

Protein Refseq

NP_001243749

MIM

609591

UniProt ID

Q92963

**Chromosome
Location**

1q21.2

Pathway

NGF signalling via TRKA from the plasma membrane, organism-specific biosystem; Neurotrophic factor-mediated Trk receptor signaling, organism-specific biosystem;

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Signal Transduction, organism-specific biosystem; Signalling by NGF, organism-specific biosystem; Signalling to ERKs, organism-specific biosystem; Signalling to p38 via RIT and RIN, organism-specific biosystem; Trk receptor signaling mediated by the MAPK pathway, organism-specific biosystem;

Function

GTP binding; GTPase activity; calmodulin binding; nucleotide binding; protein binding;

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