

Recombinant Human RIT2 293 Cell Lysate

Cat. No. RIT2-2329HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for Ras-like without CAAX 2 (RIT2) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

RIT2 Ras-like without CAAX 2 [Homo sapiens]

Official Symbol

RIT2

Synonyms

RIT2; Ras-like without CAAX 2; Ric (Drosophila) like, expressed in neurons , RIN; GTP-binding protein Rit2; RIBA; GTP-binding protein Roc2; Ric-like, expressed in neurons; ras-like without CAAX protein 2; ras-like protein expressed in neurons; RIN; ROC2;

Gene ID

6014

mRNA Refseq

NM_002930

Protein Refseq

NP_002921

MIM

609592

UniProt ID

Q99578

**Chromosome
Location**

18q12.3

Pathway

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

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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;

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