

Recombinant Human RIT2 293 Cell Lysate

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

SPECIFICATION

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.
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

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

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MAPK pathway, organism-specific biosystem;

Function

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

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