

Recombinant Human RIPK3 293 Cell Lysate

Cat. No. RIPK3-2332HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for receptor-interacting serine-threonine kinase 3 (RIPK3) 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

RIPK3 receptor-interacting serine-threonine kinase 3 [Homo sapiens]

Official Symbol

RIPK3

Synonyms

RIPK3; receptor-interacting serine-threonine kinase 3; receptor-interacting serine/threonine-protein kinase 3; RIP3; RIP-3; RIP-like protein kinase 3; receptor interacting protein 3; receptor-interacting protein 3;

Gene ID

11035

mRNA Refseq

NM_006871

Protein Refseq

NP_006862

MIM

605817

UniProt ID

Q9Y572

**Chromosome
Location**

14q12

Pathway

Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Immune System, organism-specific biosystem; Innate Immune

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System, organism-specific biosystem; RIP-mediated NFkB activation via DAI, organism-specific biosystem;

Function

ATP binding; NF-kappaB-inducing kinase activity; nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transcription coactivator activity;

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