

## Recombinant Human RALA 293 Cell Lysate

**Cat. No.** RALA-2544HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for v-ral simian leukemia viral oncogene homolog A (ras related) (RALA) 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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** [RALA v-ral simian leukemia viral oncogene homolog A \(ras related\) \[ Homo sapiens \]](#)

**Official Symbol** RALA

**Synonyms** RALA; v-ral simian leukemia viral oncogene homolog A (ras related); RAL; ras-related protein Ral-A; Ras family small GTP binding protein RALA; RAS like protein A; Ras related protein Ral A; RAS-like protein A; MGC48949;

**Gene ID** [5898](#)

**mRNA Refseq** [NM\\_005402](#)

**Protein Refseq** [NP\\_005393](#)

**MIM** [179550](#)

**UniProt ID** [P11233](#)

**Chromosome Location** 7p22-p15

**Pathway** Arf6 trafficking events, organism-specific biosystem; ErbB1 downstream signaling, organism-specific biosystem; NGF signalling via TRKA from the plasma membrane, organism-specific biosystem; Pancreatic cancer, organism-specific biosystem; Pancreatic cancer, conserved biosystem; Pathways in cancer, organism-specific biosystem; Signal Transduction, organism-specific biosystem;

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**Function**

Edg-2 lysophosphatidic acid receptor binding; GTP binding; GTPase activity; nucleotide binding; protein binding;

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