Recombinant Human RALA 293 Cell Lysate

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

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	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.
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	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

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	biosystem; Signal Transduction, organism-specific biosystem;
Function	Edg-2 lysophosphatidic acid receptor binding; GTP binding; GTPase activity; nucleotide binding; protein binding;

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