

Recombinant Human KRAS 293 Cell Lysate

Cat. No. KRAS-4885HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog (KRAS), transcript variant b is a lysate prepared from HEK293T cells transiently transfected with a 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 KRAS v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog [Homo sapiens]

Official Symbol KRAS

Synonyms KRAS; v-Ki-ras2 Kirsten rat sarcoma viral oncogene homolog; KRAS2, v Ki ras2 Kirsten rat sarcoma 2 viral oncogene homolog; GTPase KRas; KRAS1; K-Ras 2; c-Ki-ras; oncogene KRAS2; K-ras p21 protein; c-Kirsten-ras protein; PR310 c-K-ras oncogene; transforming protein p21; cellular c-Ki-ras2 proto-oncogene; v-Ki-ras2 Kirsten rat sarcoma 2 viral oncogene homolog; Kirsten rat sarcoma-2 viral (v-Ki-ras2) oncogene homolog; NS; NS3; KRAS2; RASK2; KI-RAS; C-K-RAS; K-RAS2A; K-RAS2B; K-RAS4A; K-RAS4B;

Gene ID 3845

mRNA Refseq NM_004985

Protein Refseq NP_004976

MIM 190070

UniProt ID P01116

Chromosome Location 12p12.1

Pathway ARMS-mediated activation, organism-specific biosystem; Activation of RAS in B Cells, organism-specific biosystem; Acute myeloid leukemia, organism-specific

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biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium reabsorption, conserved biosystem;

Function

GDP binding; GMP binding; GTP binding; GTPase activity; LRR domain binding; nucleotide binding; protein binding;

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