

Recombinant Human REL 293 Cell Lysate

Cat. No. REL-2424HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for v-rel reticuloendotheliosis viral oncogene homolog (avian) (REL) 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	REL v-rel reticuloendotheliosis viral oncogene homolog (avian) [Homo sapiens]
Official Symbol	REL
Synonyms	REL; v-rel reticuloendotheliosis viral oncogene homolog (avian); v rel avian reticuloendotheliosis viral oncogene homolog; proto-oncogene c-Rel; c Rel; I Rel; C-Rel proto-oncogene protein; oncogene REL, avian reticuloendotheliosis; v-rel avian reticuloendotheliosis viral oncogene homolog; C-Rel;
Gene ID	5966
mRNA Refseq	NM_002908
Protein Refseq	NP_002899
MIM	164910
UniProt ID	Q04864
Chromosome Location	2p13-p12
Pathway	Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Atypical NF-kappaB pathway, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Immune System, organism-specific biosystem; Regulation of Androgen

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receptor activity, organism-specific biosystem;

Function

DNA binding; protein binding; sequence-specific DNA binding transcription factor activity;

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