

Recombinant Human REST 293 Cell Lysate

Cat. No. REST-2417HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for RE1-silencing transcription factor (REST) 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

REST RE1-silencing transcription factor [Homo sapiens]

Official Symbol

REST

Synonyms

REST; RE1-silencing transcription factor; NRSF; XBR; repressor binding to the X2 box; neural-restrictive silencer factor; neuron restrictive silencer factor;

Gene ID

5978

mRNA Refseq

NM_001193508

Protein Refseq

NP_001180437

MIM

600571

UniProt ID

Q13127

Chromosome Location

4q12

Pathway

Huntingtons disease, organism-specific biosystem; Huntingtons disease, conserved biosystem; SIDS Susceptibility Pathways, organism-specific biosystem;

Function

DNA binding; RNA polymerase II core promoter proximal region sequence-specific DNA binding transcription factor activity involved in negative regulation of

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transcription; calcium channel activity; chromatin binding; core promoter binding; core promoter sequence-specific DNA binding; metal ion binding; outward rectifier potassium channel activity; protein binding; protein complex binding; sequence-specific DNA binding transcription factor activity; transcription factor binding; transcription regulatory region DNA binding; zinc ion binding;