

# Recombinant Human RELA 293 Cell Lysate

**Cat. No.** RELA-2423HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for v-rel reticuloendotheliosis viral oncogene homolog A (avian) (RELA), transcript variant 1 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.                                                                                                                                                                                                                                                                   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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**

[RELA v-rel reticuloendotheliosis viral oncogene homolog A \(avian\) \[ Homo sapiens \]](#)

**Official Symbol**

RELA

**Synonyms**

RELA; v-rel reticuloendotheliosis viral oncogene homolog A (avian); NFKB3, nuclear factor of kappa light polypeptide gene enhancer in B cells 3; transcription factor p65; p65; NF-kappa-B p65delta3; nuclear factor NF-kappa-B p65 subunit; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; NFKB3; MGC131774;

**Gene ID**

[5970](#)

**mRNA Refseq**

[NM\\_001145138](#)

**Protein Refseq**

[NP\\_001138610](#)

**MIM**

[164014](#)

**UniProt ID**

[Q04206](#)

**Chromosome Location**

11q13

**Pathway**

Activated TLR4 signalling, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;

**Function**

DNA binding; NF-kappaB binding; activating transcription factor binding; ankyrin repeat binding; chromatin binding; identical protein binding; identical protein binding; phosphate ion binding; protein N-terminus binding; protein binding; protein kinase binding; repressing transcription factor binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding; transcription regulatory region DNA binding; ubiquitin protein ligase binding;