

RP02998

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# Recombinant Human NF- $\kappa$ B p65/RELA Protein

Catalog No.: RP02998

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
<I>E. coli</I>	5970	Q04206-1

### Tags

N-GST

### Synonyms

NFKB3; RELA

## Product Information

### Source

<I>E. coli</I>

### Purification

> 70 % as determined by SDS-PAGE

### Endotoxin

Please contact us for more information.

### Formulation

Lyophilized from a 0.22  $\mu$ m filtered solution of 20mM Tris, 0.15M NaCl, 20mM GST, pH 8.0

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Background

RELA (v-rel reticuloendotheliosis viral oncogene homolog A), also known as Nuclear factor NF- $\kappa$ B p65 subunit, or Transcription factor p65, is a transcription factor expressed in growth plate chondrocytes where it facilitates chondrogenesis. The v-rel avian reticuloendotheliosis viral oncogene homolog A (RELA) gene encodes the major component of the NF- $\kappa$ B complex. NF- $\kappa$ B is a generic name for an evolutionarily conserved transcription-factor system that contributes to the mounting of an effective immune response but is also involved in the regulation of cell proliferation, development, and apoptosis. The implication of NF- $\kappa$ B in central biological processes and its extraordinary connectivity to other signaling pathways raise a need for highly controlled regulation of NF- $\kappa$ B activity at several levels. The mammalian Rel/NF- $\kappa$ B family of transcription factors, including RelA, c-Rel, RelB, NF- $\kappa$ B1 (p50 and its precursor p105), and NF- $\kappa$ B2 (p52 and its precursor p100), plays a central role in

## Basic Information

### Description

Recombinant Human NF- $\kappa$ B p65/RELA Protein is produced by <I>E. coli</I> expression system. The target protein is expressed with sequence (Met1-Tyr306) of Human NF- $\kappa$ B p65/RELA (Accession #NP\_068810.3) fused with the GST tag at the N-terminus.

### Bio-Activity

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

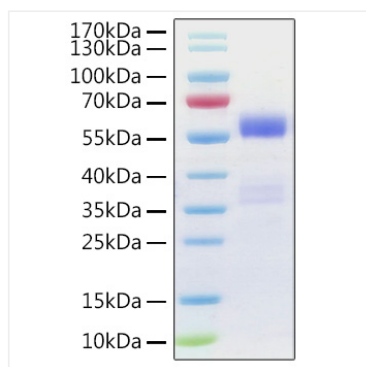
## Contact



[www.abclonal.com](http://www.abclonal.com)

## Validation Data

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Recombinant Human NF- $\kappa$ B p65  
Protein was determined by SDS-  
PAGE with Coomassie Blue, showing  
a band at 57 kDa.