

Recombinant Human NF-kB p65 Protein

Catalog No.: RP02998 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	5970	Q04206-1

Tags

N-GST

Synonyms

NFKB3; RELA

Product Information

Source	Purification
<i>E. coli</i>	> 70 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Formulation

Lyophilized from a 0.22 µm 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.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

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-κB complex. NF-kappaB 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-kappaB in central biological processes and its extraordinary connectivity to other signaling pathways raise a need for highly controlled regulation of NF-kappaB activity at several levels. The mammalian Rel/NF-kappaB family of transcription factors, including RelA, c-Rel, RelB, NF-kappaB1 (p50 and its precursor p105), and NF-kappaB2 (p52 and its precursor p100), plays a central role in the immune system by regulating several processes ranging from the development and survival of lymphocytes and lymphoid organs to the control of immune responses and malignant transformation.

Basic Information

Description

Recombinant Human NF-kB p65 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Tyr306) of NF-kB p65 Protein (Accession #NP_068810.3) fused with the GST tag at the N-terminus.

Bio-Activity

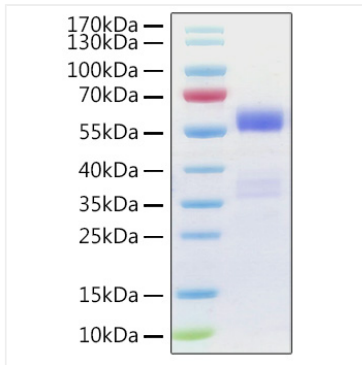
Storage

Store the lyophilized protein at -20°C to -80°C for 12 months.

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.

Validation Data



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