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Recombinant Human NF-kB p65/RELA 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
E. coli	≥ 70 % as determined by SDS-PAGE.

Calculated MW	Observed MW
62 kDa	58 kDa

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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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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-?B 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

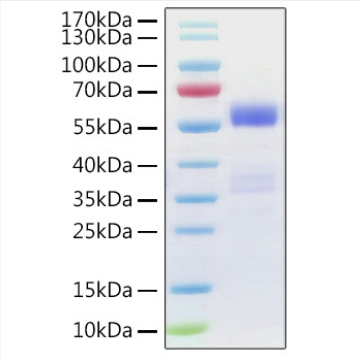
Basic Information

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

Bio-Activity

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

Validation Data



Recombinant Human NF-kB p65/RELA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.