

Recombinant Human RELA protein, His & T7-tagged

Cat. No. RELA-611H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RELA aa. (Pro19~Tyr306 (Accession # Q04206)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro19~Tyr306
Description	NF-kappa-B is a ubiquitous transcription factor involved in several biological processes. It is held in the cytoplasm in an inactive state by specific inhibitors. Upon degradation of the inhibitor, NF-kappa-B moves to the nucleus and activates transcription of specific genes. NF-kappa-B is composed of NFKB1 or NFKB2 bound to either REL, RELA, or RELB. The most abundant form of NF-kappa-B is NFKB1 complexed with the product of this gene, RELA. Four transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.8.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	RELA RELA proto-oncogene, NF-kB subunit [Homo sapiens (human)]
Official Symbol	RELA
Synonyms	RELA; RELA proto-oncogene, NF-kB subunit; p65; NFKB3; transcription factor p65; NF-kappa-B p65delta3; NF-kappa-B transcription factor p65; nuclear factor NF-kappa-B p65 subunit; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; v-rel avian reticuloendotheliosis viral oncogene homolog A; v-rel reticuloendotheliosis viral oncogene homolog A
Gene ID	5970
mRNA Refseq	NM_001145138.1

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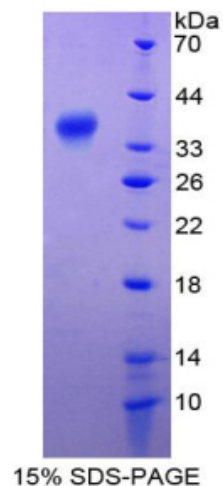
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Protein Refseq NP_001138610.1

UniProt ID Q04206

SDS-PAGE



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