Recombinant Human RELA, C-Terminal Truncated

Cat. No. RELA-627TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human NF-kB p65 protein contains amino acids 1-537, corresponding to GenBank no AA36408.1. This represents a C-terminal truncation of 14 amino acids; the full-length human p65 NF-kB protein is 551 amino acids.
Species	Human
ProteinLength	1-537 a.a.
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.
Purity	The protein was purified by affinity chromatography. The purity is greater than 98.0%.
Formulation	Supplied asliquid. 5 ug protein in 10 ul (0.5 ug/ul) in Tris-HCL, 0.2 M NaCl, 2 mM MgCl2, 0.2 mM EDTA, 1M DTT.
Stability	For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.
Biological Activity	The biological activity of this protein or its ability to bind to DNA has not been

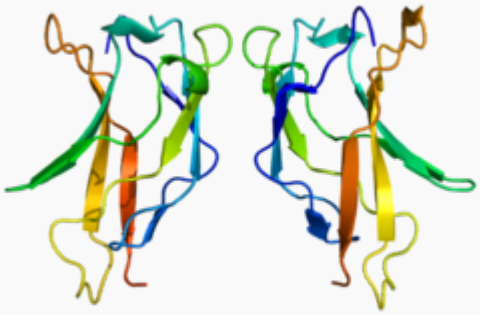
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	established.
Amino Acid Sequence	MDELFPLIFPAEPAQASGPYVEIIEQPKQRGMRFRYKCEGRSAGSIPGERSTDTTKT HPTIKINGYTGPGTVRISLVTKDPPHRPHPHELVGKDCRDGFYEAELCPDRCIHSFQ NLGIQCVKKRDLEQAISQRIQTNNNPFQVPIEEQRGDYDLNAVRLCFQVTVRDPSGR PLRLPPVLPHPIFDNRAPNTAELKICRVNRNSGSCLGGDEIFLLCDKVQKEDIEVYFT GPGWEARGSFSQADVHRQVAIVFRTPPYADPSLQAPVRVSMQLRRPSDRELSEPM EFQYLPDTDDRHRIEEKRKRTYETFKSIMKKSPFSGPTDPRPPPRRIAVPSRSSASV PKPAPQPYPFTSSLSTINYDEFPTMVFPSGQISQASALAPAPPQVLPQAPAPAPAPA MVSALAQAPAPVPVLAPGPPQAVAPPAPKPTQAGEGTLSEAL LQLQFDDEDLGALL GNSTDPAVFTDLASVDNSEFQQLLNQGIPVAPHTTEPML MEYPEAITRLVTGAQRP PDPAPAPLGAPGLPNGLLSGDEDFSSI

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); p65; NFKB3; transcription factor p65; NF-kappa-B p65delta3; nuclear factor NF-kappa-B p65 subunit; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3 ;OTTHUMP00000233474; OTTHUMP00000233475; OTTHUMP00000233475; OTTHUMP00000233900; OTTHUMP00000233473; MGC131774; light polypeptide gene enhancer in B-cells 3, p65
Gene ID	5970
mRNA Refseq	NM_001145138
Protein Refseq	NP_001138610

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MIM	164014
UniProt ID	Q04206
Chromosome Location	11q13
Pathway	Activated TLR4 signalling;Acute myeloid leukemia;Angiopoietin receptor Tie2-mediated signaling; B Cell Receptor Signaling Pathway; Cytokine Signaling in Immune system
PDB rendering based on 1bft.	

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