

Recombinant Human RELA

Cat. No. RELA-30384TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NFkB p65 with a N terminal proprietary tag; 50.27 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	220 amino acids
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.
Molecular Weight	50.270kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl

 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

Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MDELFPLIFPAEPAQASGPYVEIIEQPKQRGMRFYKCEG RSAGSIPGERSTDTTKT HPTIKINGYTGP GTVRISLVTKD PPHRPHPHELVGKDCRDGFYEALCPDRCIHSFQ NLGIQC VKKRDLEQAISQRIQTNNNPQVPIEEQRGDYDLNAVRLC FQVTVRDPSPG RPLRLPPVLSPHIFDNRAPNTAELKICRVN RNSGSCSLGGDEIFLLCDKVQ
Sequence Similarities	Contains 1 RHD (Rel-like) domain.

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); NFkB3, nuclear factor of kappa light polypeptide gene enhancer in B cells 3; transcription factor p65; p65;
Gene ID	5970
mRNA Refseq	NM_001145138
Protein Refseq	NP_001138610
MIM	164014
Uniprot ID	Q04206

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Chromosome Location	11q13
Pathway	Activated TLR4 signalling, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem;
Function	DNA binding; NF-kappaB binding; activating transcription factor binding; ankyrin repeat binding; chromatin binding;

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