Recombinant Human RELA

Cat. No. RELA-30386TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 432-505 of Human NFkB p65 with a N terminal proprietary tag; predicted MWt 33.77 kDa inclusive of tag
Species	Human
Source	Wheat Germ
ProteinLength	74 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	33.770kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.03% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	GEGTLSEALLQLQFDDEDLGALLGNSTDPAVFTDLASVDNSEFQQLLNQGIPVAPHTTEPMLMEYPEAITRLVT
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
Chromosome Location	11q13

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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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