

# Recombinant Human RELA Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** RELA-2484H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | RELA MS Standard C13 and N15-labeled recombinant protein (NP_068810) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 60 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>AA Sequence</b>      | <p>MDLFLPLIFPAEPAQASGPYVEIIEQPKQRGMRFRYKCEGRSAGSIPGERSTDTTKT</p> <p>HPTIKINGYTGP GTVRISLVTKDPPHRPHPHELVGKDCRDGFYEALCPDRCIHSFQ</p> <p>NLGIQCVKKRDLEQAISQRIQTNNNPFQVPIEEQRGDYDLNAVRLCFQVTVRDPSPGR</p> <p>PLRLPPVL SHPIFDNRAPNTAELKICRVNRNSGSLGGDEIFLLCDKVQKEDIEVYFT</p> <p>GPGWEARGSFQADVHRQVAIVFRTPPYADPSLQAPVRVSMQLRRPSDRELSEPM</p> <p>EFQYLPDTDDRHRIEEKRKRTYETFKSIMKKSPFSGPTDPRPPPRRIAVPSRSSASV</p>                                                                                                                                               |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

PKPAPQYPFTSSLSTINYDEFPTMVFP SGQISQASALAPAPPQVLPQAPAPAPAPA  
 MVSALAQAPAPVPVLAPGPPQAVAPPAPKPTQAGEGTLSEALLQLQFDDDEDLGALL  
 GNSTDPAVFTDLASVDNSEFQQLLNQGIPVAPHTTEPMLMEYPEAITRLVTGAQRPP  
 DPAPAPLGAPGLPNGLLSGDEDFSSIADMDFSALLSQISSTRTRPLEQKLISEEDLAA  
 NDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [RELA](#) [RELA proto-oncogene, NF-kB subunit \[ Homo sapiens \(human\) \]](#)

**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; NF-kappa-B p65delta3; nuclear factor NF-kappa-B p65 subunit; nuclear factor of kappa light polypeptide gene enhancer in B-cells 3; NFKB3; MGC131774;

**Gene ID** [5970](#)

**mRNA Refseq** [NM\\_021975](#)

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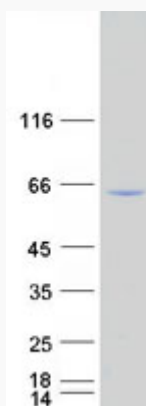
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**Protein Refseq** NP\_068810

**MIM** 164014

**UniProt ID** Q04206

**SDS-PAGE**



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