



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** Human NF- $\kappa$ B p100 Expression Vector (pRSV-NF- $\kappa$ B2 (p100))

**Catalog Number:** 2620

**Lot Number:** 180456

**Release Category:** E

**Provided:** 5  $\mu$ g of dried purified DNA stabilized in DNastable *Plus*

**Cloning Vector:** Ampicillin resistant

**Cloning Site:** HindIII/EcoRI cloning site  
The size of the insert is approximately 2853 bp.

**Host Strain:** Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.

**Description:** An expression vector which produces human NF- $\kappa$ B p100 protein.

**Special Characteristics:** This construct is approximately 7100 bp including the insert.  
This vector directs the expression of the inactive NF- $\kappa$ B2 p100 gene product in eukaryotic cells. The 5' sequence is AAGCTT CACC **ATG** G, which contains a *Hind*III site, Kozak sequence (underlined) and methionine initiation site (bold). The GenBank Accession number for RelA (p65) is [M62399](#). The GenBank Accession number for NF- $\kappa$ B is [X61498](#).  
[Contributor provided plasmid map](#)  
This reagent is currently being provided as dried purified DNA stabilized in DNastable *PLUS*. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. [Dried DNA Notice](#)

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ALL RECIPIENTS OF THIS MATERIAL MUST COMPLY WITH ALL APPLICABLE BIOLOGICAL, CHEMICAL, AND/OR RADIOCHEMICAL SAFETY STANDARDS INCLUDING SPECIAL PRACTICES, EQUIPMENT, FACILITIES, AND REGULATIONS. NOT FOR USE IN HUMANS.

**Recommended Storage:** Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

**Contributor:** Dr. Gary Nabel and Dr. Neil Perkins

**References:** Perkins, N. D., Schmid, R. M., Duckett, C. S., Leung, K., Rice, N. R. and Nabel, G. J. (1992). Distinct combinations of NF-kappa B subunits determine the specificity of transcriptional activation. Proc Natl Acad Sci U S A, 89(5), 1529-33. [PUBMED](#)

Schmid, R. M., Perkins, N. D., Duckett, C. S., Andrews, P. C. and Nabel, G. J. (1991). Cloning of an NF-kappa B subunit which stimulates HIV transcription in synergy with p65. Nature, 352(6337), 733-6. doi:10.1038/352733a0 [PUBMED](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: Human NF- $\kappa$ B p100 Expression Vector (pRSV-NF- $\kappa$ B2 (p100)) from Dr. Gary Nabel and Dr. Neil Perkins (cat# 2620)." Also include the references cited above in any publications.

**Recipient must not use or incorporate the reagent for commercial purposes.**

**Last Updated:** March 26, 2020

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