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# DATA SHEET

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|---|---|
| **Reagent:** | Human NF-κB p49 Expression Vector (pRSV-NF-κB2 (p49)) |
| **Catalog Number:** | 2621 |
| **Lot Number:** | 180457 |
| **Release Category:** | E |
| **Provided:** | 5 µg of dried purified DNA stabilized in DNAstable *Plus* |
| **Cloning Vector:** | Ampicillin resistant |
| **Cloning Site:** | HindIII/EcoRI cloning site<br>The size of the insert is approximately 1498 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-κB p49 protein. |
| **Special Characteristics:** | This construct is approximately 5750 bp including the insert.<br>Directs the expression of the 49 kD active splice variant of p100 in eukaryotic cells. The 5' sequence is AAGCTT CACC **ATG** G, which contains a *Hin*dIII site, Kozak sequence (underlined) and methionine initiation site (bold). The GenBank Accession number for NF-κB2 (p49) is X61499.<br>Contributor provided plasmid map<br>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 |
| **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:**

Gorman, C., Padmanabhan, R. and Howard, B. H. (1983). High efficiency DNA-mediated transformation of primate cells. Science, 221(4610), 551-3. PUBMED

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-κB p49 Expression Vector (pRSV-NF-κB2 (p49)) from Dr. Gary Nabel and Dr. Neil Perkins (cat# 2621)." Also include the reference cited above in any publications.

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

**Last Updated:** March 26, 2020