



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** SIVmac239 3' Partial Molecular Clone (p239SpE3' *nef* Open)

**Catalog Number:** 2476

**Lot Number:** 190350

**Release Category:** C

**Provided:** 5 µg of dried purified DNA stabilized in DNASTable *PLUS*

**Cloning Vector:** pBS-  
Ampicillin resistant

**Cloning Site:** SphI/EcoRI cloning site  
The size of the insert is approximately 6357 bp.

**GenBank:** [M33262](#)

**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:** A partial SIVmac239 3' molecular clone.

**Special Characteristics:** This construct is approximately 9516 bp including the insert.  
The source of this molecular clone is derived from p239SpE3' (Cat# 830) which encodes that 3' half of the SIVmac239 genome and contains a premature stop at *nef* codon 93. Site-specific mutagenesis was used to make a TAA→GAA substitution, resulting in a fully open and functional *nef* open reading frame in this construct. The SstI fragment from nucleotides 11692-12301 in the 3' flanking cellular sequence has also been deleted.  
[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.

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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.

Dried DNA Notice

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

**Contributor:** Dr. Ronald Desrosiers, Dr. Jim Gibbs, and Dean Regier

**References:** Gibbs, J. S., Regier, D. A. and Desrosiers, R. C. (1994). Construction and in vitro properties of HIV-1 mutants with deletions in "nonessential" genes. *AIDS Res Hum Retroviruses*, 10(4), 343-50. doi:10.1089/aid.1994.10.343 [PUBMED](#)

Kestler, H. W., 3rd, Ringler, D. J., Mori, K., Panicali, D. L., Sehgal, P. K., Daniel, M. D. and Desrosiers, R. C. (1991). Importance of the nef gene for maintenance of high virus loads and for development of AIDS. *Cell*, 65(4), 651-62. [PUBMED](#)

Regier, D. A. and Desrosiers, R. C. (1990). The complete nucleotide sequence of a pathogenic molecular clone of simian immunodeficiency virus. *AIDS Res Hum Retroviruses*, 6(11), 1221-31. doi:10.1089/aid.1990.6.1221 [PUBMED](#)

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVmac239 3' Partial Molecular Clone (p239SpE3' *nef* Open) from Dr. Ronald Desrosiers (cat# 2476)." Also include the references cited above in any publications.

**Available only for non-commercial use. Requests from commercial organizations should be directed to Harvard Medical School Office of Technology Development at the following email address: [hms\\_materialtransfer@harvard.edu](mailto:hms_materialtransfer@harvard.edu).**

**Last Updated:** March 26, 2020

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