



NIH AIDS Reagent Program

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DATA SHEET

Reagent: SIVmac239 3' Partial Molecular Clone (p239SpE3')

Catalog Number: 830

Lot Number: 180428

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 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 molecular clone which contains *tat* (partial), *rev*, *env*, and *nef* genes, as well as the 3' LTR and flanking 3' cellular DNA.

Special Characteristics: This construct is 9516 bp including the insert.
The source of this molecular clone is SIVmac239 provirus. Infectious, replication competent virus can be generated by treating ARP cat# 830 (3' half) and ARP cat# 829 (5' half) with SphI, mixing the linearized plasmids, and transfecting this mix directly into primary T-lymphocytes or T-lymphocytic cell lines.
A premature stop codon in *nef* at amino acid 93 truncates an otherwise open *nef* gene. For the *nef* open version of this plasmid, please see ARP cat# 2476.
[Contributor provided plasmid map and sequence file](#)

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.

[Sequence file lot 180428](#)

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. Ronald Desrosiers

References: Kestler, H., Kodama, T., Ringler, D., Marthas, M., Pedersen, N., Lackner, A., Regier, D., Sehgal, P., Daniel, M., King, N. and et al. (1990). Induction of AIDS in rhesus monkeys by molecularly cloned simian immunodeficiency virus. *Science*, 248(4959), 1109-12. [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') from Dr. Ronald Desrosiers (cat# 830)." 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.

Last Updated: November 13, 2019

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