



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	SIVmac239 5' Partial Molecular Clone (p239SpSp5')
Catalog Number:	829
Lot Number:	041219
Release Category:	C
Provided:	2.5 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i>
Cloning Vector:	pBS+, ampicillin resistant
Cloning Site:	<i>Sph</i> I
GenBank:	Complete SIVmac239 proviral genome M33262
Description:	5' half of SIV _{mac} 239 proviral genome plus 256bp of flanking cellular DNA. Insert fragment contains 5'LTR, <i>gag</i> , <i>pol</i> , <i>vif</i> , <i>vpx</i> , <i>vpr</i> , and <i>tat</i> (partial) genes.
Special Characteristics:	<p>Provirus is regenerated by <i>Sph</i>I digestion of p239SpSp5' and p239SpE3' and religation of a mixture of the two plasmids. The proviral DNA yields virus upon transfection into primary T-lymphocytes or T-lymphocytic cell lines. Virus recovered from the cell culture is pathogenic in rhesus macaques. Source of provirus: λSIV239-1.</p> <p>Plasmid map and sequence file lot 041219.</p> <p>Contributor provided sequence information.</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNASTable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

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.

Contributor: Dr. Ronald Desrosiers.

References: Kestler HW III, Kodama T, Ringler D, Marthas M, Pedersen N, Ratner A, Regier D, Sehgal T, Daniel M, King N, Desrosiers RC. Induction of AIDS by molecularly cloned virus. *Science* **248**:1109-1112, 1990. Regier DA, Desrosiers RC. The complete nucleotide sequence of a pathogenic molecular clone of simian immunodeficiency virus. *AIDS Res Hum Retroviruses* **6**:1221-1231, 1990.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVmac239 5' Partial Molecular Clone (p239SpSp5') from Dr. Ronald Desrosiers (cat# 829)." 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, 2018

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