



NIH AIDS Reagent Program

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DATA SHEET

Reagent: SIVagm sab-1 Infectious Molecular Clone (pSAB-1)

Catalog Number: 2614

Lot Number: 170055

Release Category: B

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

Cloning Vector: pBluescript II KS (+)
Ampicillin resistant

Cloning Site: NotI cloning site
The size of the insert is approximately 18,000 bp.

GenBank: [U04005](#)

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

Description: A full length replication competent, infectious SIVagm sab-1 molecular clone.

Special Characteristics: This construct is approximately 21,000 bp including the insert.
The source of this chimeric molecular clone is a SIV-infected West African green monkey (SAB384). The virus was obtained from one of four SIVagm-seropositive West African green monkeys imported into the United States from Senegal in 1989. Virus was isolated by co-cultivation of PHA-stimulated PBMCs with Molt 4 (clone 8) cells. Virus produced from pSAB-1 is biologically active, and causes considerable cytopathic effects in Molt 4 cells.
The provirus was obtained by lambda phage cloning and then sub-cloned into pBluescript II KS+. This full length clone contains 10 kb DNA from SIVagm sab-1 and 8 kb of flanking cellular sequences.

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.

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. Mojun Jin and Dr. Beatrice Hahn

References:

Jin, M. J., Hui, H., Robertson, D. L., Muller, M. C., Barre-Sinoussi, F., Hirsch, V. M., . . . Hahn, B. H. (1994). Mosaic genome structure of simian immunodeficiency virus from west African green monkeys. *EMBO J*, 13(12), 2935-2947. [PUBMED](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pSAB-1 from Dr. Mojun Jin and Dr. Beatrice Hahn." Also include the reference cited above in any publications.

Last Updated:

November 13, 2019

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