



## NIH AIDS Reagent Program

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### DATA SHEET

**Reagent:** pREJO4541 clone 67 (SVPB16)

**Catalog Number:** 11035

**Lot Number:** 110201

**Release Category:** C

**Provided:** 10 µg of dried purified DNA stabilized in DNastable *PLUS*

**Cloning Vector:** pcDNA3.1/V5-His© TOPO®  
The size of the cloning vector including the insert is 8482 bp.

**Cloning Site:** The env/rev cassette was TA cloned into pcDNA3.1/V5-His© TOPO®, and colonies were screened to obtain env/rev clones in the correct orientation with the CMV promoter. The size of the insert is 2959 bp.

**GenBank:** AY835449

**Host Strain:** MAX Efficiency STBL2™

**Description:** A PCR fragment containing full-length env and rev genes was derived from plasma virion-associated RNA from a subject acutely infected with a clade B virus by reverse transcription and nested PCR amplification. The env/rev cassette was cloned into pcDNA3.1/V5-His© TOPO® expression vector. A single transformed ampicillin-resistant *E. coli* colony was selected and expanded.

**Special Characteristics:** Plasmid Expansion: This plasmid can be expanded using MAX Efficiency STBL2™ Competent Cells or DH5a™ Competent Cells in LB medium at 34°C.  
  
The clone represents env/rev cassette from a subject with acute subtype B infection (female to male transmission). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions. pREJO4541.67 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB16). Sequence information is available.

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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.

[Click here to see the contributor provided sequence file.](#)

[QC data](#)

[Sequence file lot 110201](#)

This clone is also available as a member of a panel set, see catalog #11227. [Click here to see the table of individual reagents for this reference panel.](#)

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:**

Drs. B.H. Hahn and J. F. Salazar-Gonzalez

**References:**

Li, M., Gao F., Mascola J.R., Stamatatos L., Polonis V.R., Koutsoukos M., Voss G., Goepfert P., Gilbert P., Greene K.M., Bilska M., Kothe D.L., Salazar-Gonzalez J.F., Wei X., Decker J.M., Hahn B.H., and Montefiori D.C. Human immunodeficiency virus type 1 env clones from acute and early subtypeB infections for standardized assessments of vaccine-elicited neutralizing antibodies. *J. Virology* **79**(16): 10108-10125, 2005.

**NOTE:**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Drs. B.H. Hahn and J. F. Salazar-Gonzalez: pREJO4541 clone 67 (SVPB16)." Also include the reference cited above in any publications.

**Scientists at for-profit institutions or who intend commercial use of this reagent must contact Hayes A. Lowe, J.D., UAB Research Foundation, The Office of Intellectual Property Management, AB 1120G, 1530 3rd Ave. S, Birmingham AL 35294-0111, Tel: 205-975-0843 Fax: 205-934-5427, email: [halowe@uab.edu](mailto:halowe@uab.edu), before the reagent can be released.**

**Last Updated:**

November 12, 2018

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