



## NIH AIDS Reagent Program

20301 Century Boulevard  
Building 6, Suite 200  
Germantown, MD 20874  
USA

Phone: 240 686 4740  
Fax: 301 515 4015  
aidsreagent.org

### DATA SHEET

**Reagent:** 6535, clone 3 (SVPB5)

**Catalog Number:** 11017

**Lot Number:** 110149

**Release Category:** B

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

**Cloning Vector:** pcDNA3.1D/V5-His TOPO©  
The size of the cloning vector including the insert is 8620 bp.

**Cloning Site:** The HIV-1 env/rev cassette was directly cloned into the cloning site of pcDNA3.1D/V5-His TOPO© expression vector, in the correct orientation with the CMV promoter. The size of the insert is 3106 bp.

**GenBank:** AY835438

**Description:** A PCR fragment containing full-length env and rev genes was derived from the genomic DNA of infected PBMC. Original virus was obtained by PBMC co-culture. The env/rev cassette was cloned into pcDNA3.1D/V5-His TOPO© expression vector by a directional cloning approach. A single transformed ampicillin resistant *E coli* colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin. Sequence information is available.

**Special Characteristics:** Plasmid Expansion: It is recommended that this plasmid be expanded using DH5a™ Competent Cells in LB medium at 34°C. The clone represents env/rev sequences from a subject with acute subtype B infection (male-male transmission in the USA). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral co-receptor. 6535.3 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB5).

[Contributor Provided Sequence](#)

[Sequence file lot 110149](#)

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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.

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:**

Dr. David Montefiori, Dr. Feng Gao and Dr. Ming Li

**References:**

Li, M., Gao F., Mascola J.R., Stamatatos L., Polonis V.R., Koutsoukos M., Voss G., Goepfert P., Gilbert P., Greene K.M., Bilaska 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 subtype B 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 Dr. David Montefiori and Dr. Feng Gao: 6535, clone 3 (SVPB5) (cat# 11017)." Also include the reference cited above in any publications.

**Last Updated:**

November 12, 2018

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