



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Env Expression Vector (PVO, clone 4 (SVPB11))

Catalog Number: 11022

Lot Number: 110118

Release Category: B

Provided: 6.6 µg of dried purified DNA stabilized in DNASTable *PLUS*

Cloning Vector: pcDNA3.1D/V5-His TOPO
Ampicillin and neomycin resistant

Cloning Site: TOPO TA cloned
The size of the insert is approximately 3119 bp.

GenBank: [AY835444](#)

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 PCR fragment containing full-length env and rev genes was derived from the genomic DNA of infected PBMC.

Special Characteristics: This construct is 8765 bp including the insert.
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. Contributor provided sequence information is available upon request.
[Click here to see the sequence file.](#) The clone represents env/rev sequences from a subject with acute subtype B infection (male-male transmission in Italy). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped

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.

infectious virions that use CD4 as the viral co-receptor. PVO.4 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB11).

[Plasmid map and sequence file lot 110118](#)

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., 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 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: HIV-1 Env Expression Vector (PVO, clone 4 (SVPB11))." Also include the reference cited above in any publications.

Last Updated:

July 26, 2018

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