



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 clone VB98.J12

Catalog Number: 12359

Lot Number: 130140

Release Category: C

Provided: 11.4 µg of dried purified DNA stabilized in DNastable *PLUS*

Cloning Vector: pcDNA3.1D/V5-His TOPO©

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.

GenBank: [EU622011](#)

Host Strain: TOP10 *E. coli* cells

Description: A PCR fragment containing full-length *env* genes was derived from the genomic DNA of infected PBMC. 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.

Special Characteristics: This construct is 7960 bp including the insert.

Plasmid Expansion: It is recommended that this plasmid be expanded using TOP10 *E. coli* Competent Cells in LB medium at 37°C.

The clone represents subtype C *env* gene from an AIDS patient. The clone expresses a functional env/rev cassette and can be used to generate envelope pseudotyped viruses that use CCR5 as a viral-coreceptor.

[Sequence file lot 130140](#)

This reagent is currently being provided as dried purified DNA stabilized in DNastable

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.

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. Jayanta Bhattacharya

References: Lavina Gharu, Rajesh Ringe, Jayanta Bhattacharya. HIV-1 clade C envelopes obtained from late stage symptomatic Indian patients varied in their ability towards relative CD4 usages and sensitivity to CCR5 antagonist TAK-779. *Virus Research* (2011) 158(1-2):216-24.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Dr. Jayanta Bhattacharya: Cat#12359; HIV-1 clone VB98.J12". Also include the reference cited above in any publications.

This reagent is not for commercial use.

Last Updated: December 11, 2018

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