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DATA SHEET

Reagent: ZM109F.PB4, SVPC13

Catalog Number: 11314

Lot Number: 130264

Release Category: C

Provided: 5 µg of dried purified DNA stabilized in DNASTable *Plus*

Cloning Vector: pCR3.1. The size of the cloning vector including the insert is **8,251 bp**.

Cloning Site: T/A cloning site, insert size is **3,191 bp** and it is positively oriented to CMV promoter.

GenBank: [AY424138](https://www.ncbi.nlm.nih.gov/nuccore/AY424138)

Host Strain: E.coli

Description: The insert was derived by PCR amplification of nts 5954 to 9140 (based on HXB2) from patient ZM109F PBMC DNA, which was collected within 3 months of the subject's last seronegative test. The PCR amplicon was T/A cloned into pCR3.1. Full Rev and Env and partial Nef coding regions are present. The Env sequence is subtype C. The antibiotic resistance marker for the plasmid is ampicillin.

Special Characteristics: This clone represents a newly transmitted subtype C envelope. This Env is biologically functional and can be pseudotyped onto an Env- deficient provirus. This clone is part of a subtype C reference panel that can be used to evaluate neutralizing antibody responses to candidate immunogens.

[Plasmid map and sequence file lot 130264](#)

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](#)

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.

Recommended Storage: Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

Contributor: Drs. C.A. Derdeyn and E. Hunter

References: Derdeyn C.A., Decker J.M., Bibollet-Ruche F., Mokili J. L., Muldoon M., Denham S.A., Heil M.L., Lee J.Y., Kasolo F., Musonda R., Hahn B.H., Shaw G.M., Korber B. T., Allen S. and Hunter E. (2004). Envelope- Constrained, Neutralization-Sensitive HIV-1 Following Heterosexual Transmission. *Science* **303**(5666):2019-2022, 2004.

NOTE: **This clone is also available as a member of a panel set, see catalog# 11326.**

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Drs. C.A. Derdeyn and E. Hunter: ZM109F.PB4, SVPC13." 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, before the reagent can be released.

Last Updated: January 18, 2018

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