



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:	pZM247Fv1ΔEnv
Catalog Number:	11940
Lot Number:	100162
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNASTable <i>Plus</i>
Cloning Vector:	pCR-XL-TOPO Bleomycin and neomycin resistant
Cloning Site:	TA cloning site
Host Strain:	This plasmid contains the <i>ccdB</i> gene and cannot be propagated in most standard <i>E. coli</i> strains. Plasmids can be propagated in OneShot® <i>ccdB</i> Survival 2 T1 ^R Chemically Competent cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other <i>ccdB</i> -resistant competent cells.
Description:	HIV-1 subtype C Env-deficient proviral backbone; derived from infectious molecular clone (IMC) of the transmitted/founder virus ZM247Fv1; Env glycoprotein translation in the IMC was abrogated by nonsense mutation immediately downstream of <i>vpu</i> , followed by a single base pair deletion
Special Characteristics:	This construct is 13,248 bp including the insert. Suitable for Env complementation by co-transfection with Env cassette expression vectors in pseudotyping assays. Plasmid map and sequence file lot 100162 This reagent is currently being provided as dried purified DNA stabilized in DNASTable <i>Plus</i> . 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. Matthias H. Kraus, Beatrice H. Hahn

References:

1. Kraus MH, Parrish NF, Shaw KS, Decker JM, Keele BF, Salazar-Gonzalez JF, Grayson T, McPherson DT, Ping LH, Anderson JA, Swanstrom R, Williamson C, Shaw GM, Hahn BH. A rev1-vpu polymorphism unique to HIV-1 subtype A and C strains impairs envelope glycoprotein expression from rev-vpu-env cassettes and reduces virion infectivity in pseudotyping assays. *Virology*. 2010 Feb 20;397(2):346-57.
2. Salazar-Gonzalez JF et al. J Exp Med 2009, **206**:1273-1289. .
3. Salazar-Gonzalez JF et al. J Virol 2008, **82**:3952-3970

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pZM247Fv1ΔEnv from Dr. Beatrice Hahn (cat# 11940)."

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: June 29, 2018

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.