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DATA SHEET

Reagent: HIV-1 246F3 Env Expression Vector (p246F3 env)

Catalog Number: 12658

Lot Number: 140340

Release Category: C

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

Cloning Vector: pTarget
Ampicillin resistant

GenBank: [HM215279](https://www.ncbi.nlm.nih.gov/nuclotide/HM215279)

Host Strain: Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C.

Description: The p246F3 env construct is an expression vector bearing an env/rev cassette that produces a recombinant subtype AC envelope. The sequence originates from a plasma sample obtained from an individual with a Fiebig stage VI infection in Tanzania. Please see the attached table for more information.

This construct is part of a global panel of 12 reference env clones that was selected from among 219 env clones to represent the env diversity of most circulating strains of group M HIV-1. This global panel was designed to facilitate standardized assessments of vaccine-elicited neutralizing antibodies across multiple HIV-1 vaccine platforms in different parts of the world. For a more detailed description of the panel, please see the reference ([Abstract](#)).

Special Characteristics: This construct is 9692 bp including the insert.

[Information of all the clones from the Global Panel.](#)

The backbone vector has undergone a recombination event and there are approximately 770 bp of unexpected DNA in the vector that do not belong to pTarget. The sequence of the insert fully matches the expected [HM215279](https://www.ncbi.nlm.nih.gov/nuclotide/HM215279) sequence. Please see the contributor

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.

provided sequence file for additional information.

[Contributor provided sequence file](#)

[Plasmid map and sequence file lot 140340](#)

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:

Env clone providers: Ronald Swanstrom, Li-Hua Ping, Jeffrey Anderson, and David Montefiori

Contributors of Specimen Source: Center for HIV/AIDS Vaccine Immunology (CHAVI)

Collaborating Institute or Network: University of North Carolina at Chapel Hill (Chapel Hill, NC USA), Duke University (Durham, NC USA), Center for HIV/AIDS Vaccine Immunology (CHAVI)

References:

DeCamp, A., Hraber, P., Bailer, R.T., Seaman, M.S., Ochsenbauer, C., Kappes, J., Gottardo, R., Edlefsen, P., Self, S., Tang, H., Greene, K., Gao, H., Daniell, X., Sarzotti-Kelsoe, M., Gorny, M.K., Zolla-Pazner, S., LaBranche, C.C., Mascola, J.R., Korber, B.T., and Montefiori, D.C. (2014). Global panel of HIV-1 Env reference strains for standardized assessments of vaccine-elicited neutralizing antibodies. J. Virol., 88(5): 2489-2507. [Abstract](#)

NOTE:

Acknowledgment for publications should read "HIV-1 246F3 Env Expression Vector (p246F3 env) was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Drs. Carolyn Williamson, Michael Hoelscher, Leonard Maboko, David Montefiori, and the HIV Superinfection Study (HISIS)." Also include the reference cited above in any publications.

Last Updated:

April 19, 2018

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