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DATA SHEET

Reagent: HIV-1 Env Expression Vector (p001428 env)

Catalog Number: 11500

Lot Number: 070815

Release Category: C

Provided: 20 µg of dried purified DNA stabilized in DNASTable *Plus*

Cloning Vector: pcDNA 3.1D/V5-His TOPO®
Ampicillin and neomycin

Cloning Site: TOPO TA cloned
The size of the insert is approximately 3153 bp.

GenBank: [EF117266](https://www.ncbi.nlm.nih.gov/nuccore/EF117266)

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

Description: An expression vector which produces HIV-1 subtype C Env, Rev, and Vpu protein.

Special Characteristics: This construct is 8698 bp including the insert.
This plasmid expresses Env gp160, Rev, and Vpu derived from the genomic DNA of infected PBMCs from a newly acquired, heterosexually transmitted HIV-1 infection in Pune, India.
Co-transfection with an *env* defective viral molecular clone will yield pseudovirus that utilizes CCR5 as a co-receptor.
[Plasmid map and sequence file lot 070815](#)
This *env*-pseudotyped virus is part of a standard panel of reference strains for use in

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.

neutralizing antibody assays: [Table 1. Cat# 116/2 HIV-1 Subtype C Panel of Indian Env Clones](#)

Alternate plasmid names: HIV-001428-2, clone 42; HIV-001428-2.42

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:

Drs. R. Paranjape, S. Kulkarni, H. Tang and D. Montefiori

References:

S. S. Kulkarni, A. Lapedes, H. Tang, S. Gnanakaran, M. G. Daniels, M. Zhang, T. Bhattacharya, M. Li, V. R. Polonis, F. E. McCutchan, L. Morris, D. Ellenberger, S. T. Butera, R. C. Bollinger, B. T. Korber, R. S. Paranjape and D. C. Montefiori. (2009). Highly complex neutralization determinants on a monophyletic lineage of newly transmitted subtype C HIV-1 Env clones from India. *Virology*, 385(2), 505-20. doi:10.1016/j.virol.2008.12.032 [PUBMED](#)

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Env Expression Vector (p001428 env) from Drs. R. Paranjape, S. Kulkarni and D. Montefiori." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact the Duke University-Office of Corporate Research Collaborations, Email: david.kordys@duke.edu, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

Last Updated:

January 10, 2018

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