



NIH AIDS Reagent Program

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DATA SHEET

Reagent: Du156, clone 12 (SVPC3)

Catalog Number: 11306

Lot Number: 130257

Release Category: B

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

Cloning Vector: pCDNA 3.1D/V5-His TOPO®. The size of the cloning vector including the insert is 8,675 bp.

Cloning Site: The entire HIV-1 *env/rev* cassette was directly inserted into the cloning site of pCDNA 3.1D/V5-His TOPO® expression vector, in the correct orientation with the CMV promoter. The size of the insert is 3,165 bp.

GenBank: [DQ411852](#)

Host Strain: E. coli JM109 cells

Description: A PCR fragment containing full-length *env* and *rev* genes was derived from the genomic DNA of infected PBMC. Original virus was obtained by PBMC co-culture. The *env/rev* cassette was cloned into pCDNA 3.1D/V5-His TOPO® expression vector. A single transformed ampicillin resistant E. coli colony was selected and expanded. Recombinant plasmid carries resistance genes for ampicillin and neomycin.

Special Characteristics: The clone represents *env/rev* sequences from a subject with acute subtype C infection (male to female transmission in South Africa). The clone expresses a functional *env/rev* cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral coreceptor. The Env-pseudotyped virus is part of a standard panel of reference strains for use in neutralizing antibody assays.

[Plasmid map and sequence file lot 130257](#)

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: Drs. D. Montefiori, F. Gao, S. Abdool Karim and G. Ramjee.

References: Li, M. et al. Genetic and Neutralization Properties of Subtype C Human Immunodeficiency Virus Type 1 Molecular env Clones from Acute and Early Heterosexually Acquired Infections in Southern Africa. *J. Virol.* **80**:11776-11790, 2006. Williamson C., Morris L., Maughan M.F., Ping L.H., Dryga S.A., Thomas R., Reap E.A., Cilliers T., van Harmelen J., Pascual A., Ramjee G., Gray G., Johnston R., Abdool-Karim S., Swanstrom R. Characterization and selection of HIV-1 subtype C isolates for use in vaccine development. *AIDS Res Hum Retro.*, **19**:133-144, 2003.

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. D. Montefiori, F. Gao, S. Abdool Karim and G. Ramjee.: Du156, clone 12 (SVPC3)." Also include the references cited above in any publications.

Last Updated: March 20, 2018

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