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DATA SHEET

Reagent: Du422, clone 1 (SVPC5)

Catalog Number: 11308

Lot Number: 140243

Release Category: C

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 **8,678bp.**

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 promotor. The size of the insert is **3,168 bp.**

GenBank: [DQ411854](https://www.ncbi.nlm.nih.gov/nuccore/DQ411854)

Host Strain: 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 140243](#)

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

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.

or 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, C. Williamson and S. Abdool Karim.

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.

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, C. Williamson and S. Abdool Karim.: Du422, clone 1(SVPC5)." Also include the reference cited above in any publications.

This clone is submitted to the NIH AIDS Reagent Program under release category C. All requestors of this clone must complete the "SAAVI Addendum for Category C Clone Du422" form before the reagent can be released.

Queries can be directed to Ms. Cynthia Best, Principal IP Officer, Research Contracts and IP Services, University of Cape Town, Private Bag, Rondebosch, 7701, South Africa, Tel: +27 21 650 3076, Fax +27 21 650 5778, Email: Cynthia.Best@uct.ac.za.

Required Form:

SAAVI.pdf

Last Updated:

January 11, 2018

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