



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 Env Expression Vector (CRF02_AG Clone 33)
Catalog Number:	11607
Lot Number:	140255
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNastable <i>PLUS</i>
Cloning Vector:	pCDNA 3.1D/V5-His TOPO®. The size of each cloning vector including the insert is 9,223 bp. The vector carries resistance genes for ampicillin and neomycin.
Cloning Site:	The entire HIV-1 env/rev cassette was directly inserted into the TOPO TA 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 3,700 bp.
GenBank:	EU513186
Host Strain:	Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.
Description:	The clone represents env/rev sequences from a subject with subtype AG infection (in Cameroon). 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.
Special Characteristics:	<p>A PCR fragment containing full-length env and rev genes was derived from the genomic DNA of infected PBMC.</p> <p>This clone is available individually, or as part of Cat No. 11673, Panel of HIV-1 Subtype A/G Env Clones.</p> <p>Plasmid map and sequence file lot 140255</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNastable</p>

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. Ellenberger, B. Li, M. Callahan, and S. Butera

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH from Drs. Ellenberger, D., Li, B., Callahan, M., and Butera, S.: HIV-1 Env Expression Vector (CRF02_AG Clone 33)." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of Release Category C Reagents, must contact Dr. Dennis Ellenberger, Centers for Disease Control and Prevention, 1600 Clifton Road, MS A-25, Atlanta GA 30333, Tel: 404-639-1016, Email: dellenberger@cdc.gov, before the reagent(s) can be released.

Last Updated:

August 16, 2018

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