



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Env Expression Vector (CRF02_AG Clone 253)

Catalog Number: 11597

Lot Number: 098339

Release Category: C

Provided: 1 vial containing 2 µg (0.5 µg/µL) purified plasmid DNA in TE buffer.
These clones are available individually, or as part of panel set #11673.
[Panel of HIV-1 Subtype A/G Env Clones, Cat No. 11673](#)

Cloning Vector: pCDNA 3.1D/V5-His TOPO®. The size of each cloning vector including the insert is 8,777 bp.

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 3,254 bp.

GenBank: Accession number is EU513191.

Host Strain: TOP 10 cells.

Description: A PCR fragment containing full-length env and rev genes was derived from the genomic DNA of infected PBMC. 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 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.

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.

Recommended Storage: -80°C.

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 CRF02_AG (Clone 253)." 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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