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DATA SHEET

Reagent: HIV-1 92UG037.8 gp160 Expression Vector

Catalog Number: 2431

Lot Number: 180268

Release Category: D

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

Cloning Vector: pCRII
Ampicillin resistant

Cloning Site: TOPO TA cloned
The size of the insert is approximately 2916 bp.

GenBank: [U09127](#)

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: An expression vector which produces HIV-1 subtype A1 92UG037.8 gp160 protein.

Special Characteristics: This construct is 6938 bp including the insert.
This plasmid expresses full length, functional gp160 protein that was PCR amplified from PBMC-grown HIV-1 isolates. PBMCs were obtained from an asymptomatic individual from Uganda within two years of seroconversion. This plasmid is part of a group of Env clones and each clone is available individually. [Table of available Env clones](#)
[Sequence file lot 180268](#)
Cell-free virus from which the clone was initially derived is also available (ARP cat# 1743)

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.

Co-transfection with an env defective viral molecular clone will yield pseudovirus that utilizes CCR5 as a co-receptor.

Alternate names include: pUG/92/037-8

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:

Viruses were provided by the WHO network for HIV Isolation and Characterization, and the Division of AIDS, NIAID. Clones were obtained from Dr. Beatrice Hahn, University of Alabama.

References:

Gao, F., Yue, L., Craig, S., Thornton, C. L., Robertson, D. L., McCutchan, F. E., Bradac, J. A., Sharp, P. M. and Hahn, B. H. (1994). Genetic variation of HIV type 1 in four World Health Organization-sponsored vaccine evaluation sites: generation of functional envelope (glycoprotein 160) clones representative of sequence subtypes A, B, C, and E. WHO Network for HIV Isolation and Characterization. AIDS Res Hum Retroviruses, 10(11), 1359-68. doi:10.1089/aid.1994.10.1359 [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 92UG037.8 gp160 Expression Vector from the WHO Network for HIV isolation and Characterization and Dr. Beatrice Hahn (cat# 2431)." Also include the reference cited above in any publications.

Last Updated:

March 26, 2020

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