Reagent: vEJ1010056

Catalog Number: 3528

Lot Number:

Provided: 1 vial cell-free virus. Titer is $5 \times 10^{10}$ PFU/ml.

Host or Recommended Host or Host Cells: Propagate in CV-1 cells cultured in DMEM with 10% fetal bovine serum.

Cloning Vector: WR.

Description: The HIV-1 env gp120 gene was PCR amplified from PBMCs co-cultured from an asymptomatic woman who acquired HIV-1 infection heterosexually. A 1608 bp SalI–NcoI fragment containing the gp120 gene was cloned into a pSC11ss construct containing a multiple cloning site downstream of the 7.5 kDa promoter. The resulting plasmid was transfected into CV-1 cells infected with vaccinia WR (L strain), producing a stable, gp120-expressing construct.

Special Characteristics: Expression of gp120 is under control of the 7.5 kDa early-late promoter. The HIV-1 env subtype B protein is recognized by CD8+ CTL clones specific for HIV-1 env.

Sterility: Negative for bacteria, fungi, and mycoplasma.

Cloning Site: Vaccinia virus TK region.

Recommended Storage: -70°C.

Contributor: Dr. Stuart Ray and Dr. Robert Bollinger

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.
NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: vEJ1010056 from Dr. Stuart Ray and Dr. Robert Bollinger (cat# 3528)."

The US Government has submitted a patent application on the parent plasmid pSC11.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Johns Hopkins Technology Ventures at the following email address: MTA@jhu.edu, before the reagent can be released.

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