



NIH AIDS Reagent Program

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DATA SHEET

3/7/18/01

Reagent: vP1291

Catalog Number: 3546

Lot Number:

Provided: 250 µl cell-free virus, 9.25×10^9 pfu/ml.

Cloning Vector: WR (host range selection system) insertion plasmid.

Description: Contains the HIV-1_{MN} gp120TM and IIIB *gag/pro* genes. The vaccinia virus H6 promoter is cloned upstream of sequences coding for the extracellular envelope gp120 moiety linked to the sequences encoding the HIV-1 transmembrane anchor sequence (nucleotides 7850-7934). The vaccinia virus I3L promoter is cloned upstream of the *gag/pro* coding sequences.

Special Characteristics: Linkage of the gp120 sequences to the transmembrane anchor sequence serves to retain gp120 expression on the surface of vP1291 infected cells. Gag is processed as in HIV-1 infected cells due to the expression of a portion of the *pol* coding sequences sufficient to encode the protease function.
Cloning Site: Vaccinia virus K1L region.
Sterility: Negative for bacteria, fungi, and mycoplasma.

Recommended Storage: Liquid nitrogen.

Contributor: Dr. Jim Tartaglia.

References: Gurgo C, Guo HG, Franchini G, Aldovini A, Collalti E, Farrell K, Wong-Staal F, Gallo RC, Reitz MS Jr. Envelope sequences of two new United States HIV-1 isolates. *Virology* **164**:531-536, 1988. Perkus ME, Limbach K, Paoletti E. Cloning and expression of foreign genes in vaccinia virus, using a host range selection system. *J Virol* **63**:3829-3836, 1989. Ratner L, Haseltine W, Patarca R, Livak KJ, Starcich B, Josephs SF, Doran ER, Rafalski JA, Whitehorn EA, Baumeister K, et al. Complete nucleotide sequence of the AIDS virus, HTLV-III. *Nature* **313**:277-284, 1985. Goebel SJ, Johnson GP, Perkus ME, Davis SW, Winslow JP, Paoletti E. The complete DNA sequence of vaccinia virus. *Virology* **170**:247-266, 1989.

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: vP1291 from Dr. Jim Tartaglia." Also include the references cited above in any publications. Requests from commercial organizations must be directed to Dr. Jim Tartaglia, Aventis Pasteur, Connaught Campus, 1755 Steeles Avenue West, Building 72, Room 201, Toronto, Ontario, M2R 3T4, Tel: 416-667-2479, Fax: 416-661-7960.

Last Updated:

June 24, 2013

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