



NIH AIDS Reagent Program

20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

2 6/1/89

Reagent: vVK1

Catalog Number: 358

Lot Number:

Provided: 1 vial cell-free virus at 1×10^9 infectious virions/ml. Infects HeLa and other vertebrate cells.

Cloning Vector: Vaccinia virus, strain WR.

Description: Plasmid pVK3, containing the HIV-1 HXB.2 *gag-pol* gene, vaccinia early/late P7.5 promoter, and the *E. coli* β -galactosidase gene was used to transfect CV-1 monkey kidney cells infected with wild-type vaccinia virus. The resultant recombinant vaccinia virus, vVK1, was isolated in the presence of X-Gal by selection of blue-colored virus plaques.

Special Characteristics: Expression and processing of *gag-pol* and assembly, budding, and maturation into reverse transcriptase-containing HIV-like particles occurs in infected cells. Expression is driven by the P7.5 promoter. vVK1 also expresses *E. coli* β -galactosidase. Sterility: Negative for aerobic and anaerobic bacteria, fungi, and yeast. Cloning Site: Vaccinia virus thymidine kinase gene.

Recommended Storage: -70degreeC.

Contributor: Dr. Velissarios Karacostas and Dr. Bernard Moss.

References: Karacostas V, Nagashima K, Gonda M, Moss B. Human immunodeficiency virus-like particles produced by a vaccinia virus expression vector. *Proc Natl Acad Sci USA* **86**:8964-8967, 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: vVK1 from Dr. Velissarios Karacostas and Dr. Bernard Moss." Also include the reference cited above in any publications.

The US Government has submitted a patent application on this reagent.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. Sally Hu at the NIH Office of Technology Transfer, Email: hus@mail.nih.gov, Phone: 301-435-5606, before the reagent can be released. Please specify the name and a description of the intended use of the reagent.

The control vaccinia viruses to this strain are catalog #353 and catalog #357.

Last Updated:

June 24, 2013

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.