



## NIH AIDS Reagent Program

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### DATA SHEET

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**Reagent:** vSC40

**Catalog Number:** 359

**Lot Number:**

**Provided:** 1 vial cell-free virus at  $2 \times 10^9$  infectious virions/ml. Infects HeLa and other vertebrate cells.

**Cloning Vector:** Vaccinia virus, strain WR.

**Description:** Plasmid clone pSC40 containing the HIV-1 BH10 *gag-pol* gene, *E. coli*  $\beta$ -galactosidase gene, and the vaccinia early/late P7.5 promoter was used to transfect CV-1 monkey kidney cells infected with wild-type vaccinia virus. The resultant recombinant vaccinia virus, vSC40, was isolated in the presence of X-Gal by selection for blue-colored virus plaques. The *gag-pol* gene is regulated by the vaccinia virus P7.5 promoter.

**Special Characteristics:** Principal products are p55 (major) and p41 (minor) *gag* proteins. p55 is myristilated; little or no reverse transcriptase is expressed. Processed *gag* proteins are not secreted into culture supernatant. vSC40 also expresses *E. coli*  $\beta$ -galactosidase.  
Cloning Site: Vaccinia virus thymidine kinase gene.

**Recommended Storage:** -70degreeC.

**Contributor:** Dr. Sekhar Chakrabarti and Dr. Bernard Moss.

**References:** Flexner C, Broyles SS, Earl P, Chakrabarti S, Moss B. Characterization of human immunodeficiency virus *gag/pol* gene products expressed by recombinant vaccinia viruses. *Virology* **166**:339-349, 1988.

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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: vSC40 from Dr. Sekhar Chakrabarti 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](mailto: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 clone are available as catalog #353 and catalog #357.**

**Last Updated:**

June 24, 2013

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