



NIH AIDS Reagent Program

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DATA SHEET

6 098307

Reagent: vTF7-3

Catalog Number: 356

Lot Number:

Provided: 1 vial cell-free virus at 3.7×10^8 PFU/mL.

Host or Recommended Host or Host Cells: HeLa and other vertebrate cells.

Cloning Vector: Vaccinia virus, strain WR.

Description: Plasmid pTF7-3 containing the vaccinia virus P7.5 promoter and the bacteriophage T7 RNA polymerase gene was used to transfect CV-1 monkey kidney cells infected with wild-type vaccinia virus. The resultant recombinant vaccinia virus, vTF7-3, contains the entire T7 RNA polymerase gene, expressed under the control of the vaccinia P7.5 promoter.

Special Characteristics: Active T7 RNA polymerase is made. Used in conjunction with vaccinia viruses that have genes under control of bacteriophage T7 promoters (catalog #354 and catalog #355).
Cloning Site: Vaccinia virus thymidine kinase gene.

Recommended Storage: -70°C

Contributor: Dr. Tom Fuerst and Dr. Bernard Moss.

References: Fuerst TR, Niles EG, Studier FW, Moss B. Eukaryotic transient-expression system based on recombinant vaccinia virus that synthesizes bacteriophage T7 RNA polymerase. *Proc Natl Acad Sci USA* **83**:8122-8126, 1986.

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: vTF7-3 from Dr. Tom Fuerst 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.

vPE5 (catalog #355) and vPE6 (catalog #354) must be co-transfected with vTF7-3 for proper expression.

Last Updated:

June 24, 2013

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