



NIH AIDS Reagent Program

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DATA SHEET

Reagent: SIVmac251 BK28 Infectious Molecular Clone (pBK28-SIV)

Catalog Number: 133

Lot Number: 2

Release Category: D

Provided: 1 vial of transformed JM109 bacteria.

Cloning Vector: pUC18.

Cloning Site: *EcoRI-EcoRV* into *EcoRI-HincII* sites.

GenBank: GenBank Locus Name: HIVHTLV4A, SIVMM251; Accession Number: Y00269, XO6393.

Special Characteristics: The plasmid was difficult to propagate in *E. coli* without deletions. This preparation should grow well when bacteria are kept at room temperature and the cells harvested in the log phase of growth. When Hut-78 cells were initially transfected with pBK28, cellular atypia was seen on day 5 and multinucleated giant cells by day 10. RT activity peaked at 10 days and remained elevated for more than 90 days; morphological changes diminished progressively. Minimal cytolysis was observed. See also Catalog #173 for Hut-78 cells transfected with pBK28 and a description of the biological properties of SIV-BK28 in rhesus macaques. Source of Pro Virus: pK289 cells, originally thought to contain HTLV-4, now believed to be derived from SIV_{mac} isolate 251 from New England Regional Primate Center.

[Plasmid Map](#)

Recommended Storage: -70°C.

Contributor: Dr. James I. Mullins.

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.

References: Kornfeld H, Riedel N, Viglianti GA, Hirsch V, Mullins JI. Cloning of HTLV-4 and its relation to simian and human immunodeficiency viruses. *Nature* **326**:610-613, 1987.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIVmac251 BK28 Infectious Molecular Clone (pBK28-SIV) from Dr. James Mullins (cat# 133)." Also include the reference cited above in any publications.

Last Updated: November 13, 2019

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