



## 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

**Reagent:** HIV-1 BH10 Non-Infectious Molecular Clone (pBKBH10S DNA)

**Catalog Number:** 194

**Lot Number:** 070026

**Release Category:** A

**Provided:** 5 µg of dried purified DNA stabilized in DNastable *PLUS*

**Cloning Vector:** pBluescript II-KS(+)  
Ampicillin resistant

**Cloning Site:** SstI cloning site  
The size of the insert is 8927 bp.

**Host Strain:** Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C.

**Description:** The 8.9 kb *SstI* fragment (nt 222–9154) of BH10 was inserted into the *SstI* site of pBluescript II-KS(+). The insert is oriented so that transcription from the T7 promoter produces sense RNA.

**Special Characteristics:** This construct is 11884 bp including the insert.  
Contains all HIV-1 gene coding regions but does not contain HIV-1 LTR. Useful for making molecular probes and *in vitro* transcription of noninfective viral RNA. Transformed bacteria derived from this plasmid DNA should be grown at 30°C to minimize the occurrence of deletions in the long insert (Joshi A, Jeang K-T, *Biotechniques* **14**:884-886, 1993).  
[Sequence file lot 070026](#)  
This reagent is currently being provided as dried purified DNA stabilized in DNastable *PLUS*. Please see the notice for additional information and the protocol for ~~constitution of dried DNA~~ [Dried DNA Notice](#).

---

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.

reconstitution of dried DNA reagents. [Dried DNA NOTICE](#)

**Recommended Storage:** Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.

**Contributor:** Dr. John Rossi.

**References:** Chang PS, Cantin EM, Zaia JA, Ladne PA, Stephens DA, Sarver N, Rossi JJ. Ribozyme-mediated site-specific cleavage of the HIV-1 genome. *Clin Biotechnol* **2**:23-31, 1990.

**NOTE:** Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 BH10 Non-Infectious Molecular Clone (pBKBH10S DNA) (cat#194) from Dr. John Rossi." Also include the reference cited above in any publications.

**Last Updated:** September 25, 2018

---

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.