



NIH AIDS Reagent Program

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DATA SHEET

Reagent: HIV-1 Tat Expression Vector (pSV2tat72)

Catalog Number: 294

Lot Number: 160155

Release Category: D

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

Cloning Site: HindIII/BglII
The size of the insert is 224 bp.

Cloning Vector: pSV2-dhfr
Ampicillin resistant

Description: An expression vector that has been modified to utilize yeast and *E. coli* optimized codons which produces HIV-1 IIIB tat protein

Special Characteristics: This construct is 4457 bp including the insert.
This plasmid expresses tat derived from HIV-1 IIIB (tat residues 1-72). This plasmid was constructed by replacing the dhfr gene in pSV2-dhfr with a synthetic gene encoding tat. Please note that the BglII cloning site is nonfunctional and no longer present in this construct.

[Contributor provided plasmid map](#)

[Contributor provided sequence information](#)

[Plasmid map and sequence file lot 160155](#)

Plasmids can be propagated in STBL2 cells and grown at 37°C. Larger plasmids may benefit from growth at 30°C. This construct may also be grown in other competent cells.

This reagent is currently being provided as dried purified DNA stabilized in DNASTable

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.

PLUS. Please see the notice for additional information and the protocol for 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. Alan Frankel

References: Frankel, A. D., & Pabo, C. O. (1988). Cellular uptake of the tat protein from human immunodeficiency virus. *Cell*, 55(6), 1189-1193. [PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Tat expression vector (pSV2tat72) from Dr. Alan Frankel." Also include the reference cited above in any publications.

Last Updated: January 17, 2018

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