



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: | SIV Tat Expression Vector (pCEP4SIVtat) |
| Catalog Number: | 8124 |
| Lot Number: | 130255 |
| Release Category: | C |
| Provided: | 5 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i> |
| Description: | <p>SIVmne Tat expression driven by CMV IE promoter in vector pCEP4. SIVmne mRNA coding for Tat was amplified from <i>M. fascicularis</i> PBMC using RT-PCR with specific primers beginning at the AUG initiation codon and ending at the UAG stop codon. The SIV <i>tat</i> gene is 396 bases in length, comprised of exon 1 (1-296) and exon 2 (297-396). The complete SIV Tat gene PCR product was cloned into pCRII (Invitrogen) and then subcloned into pCEP4 (Invitrogen) between the <i>Xho</i>I and <i>Bam</i>HI sites.</p> |
| Special Characteristics: | <p>Expresses SIV Tat in eukaryotic cells after transfection. Can be made semi-permanent through maintenance of episomal plasmid by selection in hygromycin B. Expression of Tat can be indirectly measured by co-transfection with SIV or HIV LTR-β-gal plasmid and measurement of β-gal levels. Expression of Tat can be enhanced by cotransfection with plasmid expressing CMV IE protein (Peter Barry, UC, Davis). Reagent 293T-CEP4SIVtat (Cat# 8123) is a semi-permanent 293T cell line that constitutively expressed SIV Tat from this plasmid.</p> <p>pCEP4SIVTat prokaryotic/eukaryotic vector description</p> <p>This reagent is currently being provided as dried purified DNA stabilized in DNASTable <i>PLUS</i>. Please see the notice for additional information and the protocol for reconstitution of dried DNA reagents. Dried DNA Notice</p> |
| Recommended Storage: | Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag. |
| Contributor: | Dr. Richard Grant |

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: Grant RF, Stevens Y, Wright N, Agy M, Thouless M, Morton W. Stable SIV Tat Cell Lines Increase Expression Of Transfected Genes. *J Med Primatol* **28**:(abstract), 1999.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: SIV Tat Expression Vector (pCEP4SIVtat) (cat# 8124) from Dr. Richard Grant." Also include the reference cited above in any publications.

Requests from commercial organizations should be directed to Ariadna A. Santander, Program Operations Coordinator, Office of Technology Licensing, University of Washington, 1107 N.E 45th Street, Suite 200, Seattle, WA 98195.

Last Updated: July 03, 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.