



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-2 GST-Tat Expression Vector (R81-84A)
Catalog Number:	3642
Lot Number:	190019
Release Category:	A
Provided:	5 µg of dried purified DNA stabilized in DNastable <i>Plus</i>
Cloning Site:	BamHI/EcoRI cloning site
Cloning Vector:	pGEX2T Ampicillin resistant
Description:	An expression vector which produces HIV-2 GST-Tat protein.
Special Characteristics:	<p>This construct is 5338 bp including the insert.</p> <p>These constructs contain mutated HIV-2 tat genes. A thrombin proteolytic cleavage site is located between the <i>Schistosoma japonicum</i> glutathione S-transferase (GST) sequence and the tat insert.</p> <p>Mutated HIV-2 Tat is expressed as a GST-Tat fusion protein.</p> <p>Sequence file lot 190019</p> <p>Alternate names include: GST-Tat2 (R81-84A)</p> <p>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.</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>

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.

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

Contributor: Dr. Sandra Tong-Starksen

References: Pagtakhan, A. S. and Tong-Starksen, S. E. (1997). Interactions between Tat of HIV-2 and transcription factor Sp1. *Virology*, 238(2), 221-30. doi:10.1006/viro.1997.8847
[PUBMED](#)

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-2 GST-Tat Expression Vector (R81-84A) from Dr. Sandra Tong (cat# 3642)." Also include the reference cited above in any publications.

Limited to one aliquot per laboratory.

Research Chart:

Clone	Cat. No.	Description
GST-Tat2 (R81-84A)	3642	Two exons; substitution mutation of the basic residues (R81-84) to alanine in full-length tat2 cDNA.
GST-Tat2 (46-130)	3643	Two exons; aa 1-45 deleted.
GST-Tat2 (1-80)	3644	One exon; aa 81-130 deleted.

Last Updated: March 27, 2020

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