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DATA SHEET

Reagent:	HIV-1 HXB2 ΔTat Non-infectious Molecular Clone (pM*tat*(-))
Catalog Number:	2085
Lot Number:	8/25/93
Release Category:	C
Provided:	1 ml ampicillin-resistant transformed HB101 bacteria.
Cloning Vector:	pHXB2gpt, an infectious proviral clone of HIV-1_{IIIB}.
Description:	Site-directed mutagenesis was used to introduce a termination codon (TGA) in place of the ATG (methionine) initiator codon in the Tat coding region. The resulting mutant (designated 80:*tat*(-) in the reference) is unable to synthesize Tat.
Special Characteristics:	Low or undetectable levels of viral mRNA are expressed upon transfection into COS-1 cells. Co-transfection of pM*tat*(-) with a *tat* cDNA clone such as pCV1 restores the normal transcription pattern. Co-cultivation of the pM*tat*(-)/pCV1 co-transfectant with H9 cells results in the production of non-infectious viral particles. Co-transfection of pM*tat*(-) and pM*rev*(-) (Catalog #2086) results in the production of infectious virus particles. Source of Pro Virus: HIV-1_{HXB2} viral DNA from HIV-1_{IIIB} (Catalog #398, from Dr. R. Gallo).
Recommended Storage:	-70°C.
Contributor:	Dr. Reza Sadaie.
References:	Sadaie MR, Benter T, Wong-Staal F. Site-directed mutagenesis of two trans-regulatory genes (*tat*-III, *trs*) of HIV-1. *Science* **239**:910-913, 1988.
NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 HXB2 ΔTat Non-infectious Molecular Clone (pM *tat*(-)) from Dr. Reza Sadaie." Also include the reference cited above in any publications.