



NIH AIDS Reagent Program

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DATA SHEET

Reagent: pLTR.A5/2000-SEAP-IRES-EGFP

Catalog Number: 11789

Lot Number: 130275

Release Category: C

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

Cloning Vector: pcDNA3.1+ (Invitrogen)

Cloning Site: The full-length LTRs were cloned directionally between MluI and NheI sites.

Description: A set of mammalian reporter vectors of HIV-1 subtype C-LTR (pLTRD24-SEAP-IRES-EGFP, pLTRSB253-SEAP-IRES-EGFP, pLTRA5/2000-SEAP-IRES-EGFP). The full-length HIV-1 LTR up to the splice donor was amplified from genomic DNA isolated from three different Indian clinical samples using the nested PCR approach. The restriction sites MluI and NheI were engineered into the primers. The PCR amplified fragments were directionally cloned upstream of two different reporter genes, secreted alkaline phosphatase which is directly under the LTR control and enhanced green fluorescent protein under the control of an internal ribosome entry site.

Special Characteristics: Two independent reporter genes secreted alkaline phosphatase and green fluorescent protein are simultaneously expressed from these vectors in Tat-responsive manner. The LTRs have important differences in their transcription factor binding sites and will be useful in viral transactivation studies, and in the screening of viral inhibitors. The expression of both of the reporter genes could be monitored without terminating the assay.

GenBank Accession No. AY567474

[Contributor provided plasmid map](#)

[Plasmid map and sequence file lot 130275](#)

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 reconstitution of dried DNA reagents. 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.

or 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. Udaykumar Ranga

References: Siddappa NB et al., AIDS Research and Human Retroviruses, 23(10), 1268-1278, 2007.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pLTR.A5/2000-SEAP-IRES-EGFP from Dr. Udaykumar Ranga." Also include the reference cited above in any publications. Contact the contributor for more details.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact Dr. Udaykumar Ranga, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur Post, Bangalore, 560064, India. Tel: (080) 228-2831 Email: udaykumar@jncasr.ac.in, before the reagent can be released.

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