



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	pTY-Linker
Catalog Number:	4690
Lot Number:	051157
Release Category:	C
Provided:	5 µg of dried purified DNA stabilized in DNASTable <i>PLUS</i>
Description:	Generated by combining the lentiviral transducing vector pTV, self-inactivating lentiviral vector pTYΔCT-CMVnlacZdl3'U3#1U5pA (see attached figure) and 5' splice site and env deletion env.dl.6 (see attached figure) with a NotI-EcoRI linker. Unique cloning sites on the linker that can be used for foreign gene insertion are: NotI, NheI, SalI, SmaI, BamHI, SacII, SpeI, EcoRI, and KpnI.
Special Characteristics:	<p>Universal lentiviral self-inactivated transducing vector. Contains a chimeric 5' CMV-TATA enhancer/promoter site and a 3' bovine growth hormone polyA signal. The backbone is derived from pUC18 (of pNL4-3). This HIV-1 derived transducing vector contains the following HIV sequences; RU5, UTR without the major splice site, 720 bp gag, 927 bp env including the RRE, the two integration att sites and the 3'R.</p> <p>Protocol:DNA Transfection for production of recombinant lentiviruses.</p> <p>Plasmid Map and Sequence.</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> <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>
Recommended Storage:	Keep the reagent at room temperature in a dry storage cabinet or in a moisture barrier bag.
Contributor:	Dr. Lung-Ji Chang.

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:

Chang L-J, Urlacher V, Iwakuma T, Cui Y, Zucali J. Efficacy and safety analyses of a recombinant human immunodeficiency virus type 1 derived vector system. *Gene Ther* **6**:715-728, 1999. Iwakuma T, Cui Y, Chang L-J. Self-inactivating lentiviral vectors with U3 and U5 mutations. *Virology* **261**:120-132, 1999. Cui Y, Iwakuma T, Chang L-J. Contributions of viral splice sites and cis-regulatory elements to lentivirus vector function. *J Virol* **73**:6171-6176, 1999.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: pTY-Linker from Dr. Lung-Ji Chang." Also include the references cited above in any publications.

Scientists at for-profit institutions or who intend commercial use of this reagent must contact UF Innovate at the following email address: mta@research.ufl.edu, before the reagent can be released.

Last Updated

February 14, 2019

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