



NIH AIDS Reagent Program

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DATA SHEET

Reagent:	HIV-1 Protease Optimized Cloning Vector
Catalog Number:	828
Lot Number:	00215
Release Category:	A
Provided:	1 vial of transformed DH5a bacteria in LB containing 20% glycerol ampicillin-resistant.
Cloning Vector:	pUC18
Cloning Site:	Gene cloned between the <i>Hind</i> III and <i>Eco</i> R1 sites in the pUC18 polylinker.
Description:	<p>Coding sequences have been modified to utilize codons favored by yeast and <i>E. coli</i>. Includes the N-terminal Met. The provided sequence of the designer Protease Gene was inserted between the <i>Hind</i>III and <i>Eco</i>R1 sites of the pUC18 vector as shown in the attached map.</p> <p>Plasmid Map</p>
Special Characteristics:	<p><i>Hind</i>III, <i>Bsp</i>M1, and <i>Nco</i>I sites are close to the N-terminus to allow fusion to express in the vector of choice.</p> <p>Source of pro Virus: HIV-1_{III}B (BH10 isolate).</p> <p>Alternate names include: HIV-1 Protease Designer Gene</p>
Recommended Storage:	-70°C
Contributor:	NIAID, DAIDS

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:

Arya, SK, Guo C, Josephs, SF, Wong-Staal F. Trans-activator gene of human T-lymphotropic virus type III (HTLV-III), *Science* **229**:69-73, 1985.

Sodroski JG, Patarca R. Rosen C, Wong-Staal F, Haseltine W. Location of the trans-activating region on the genome of human T-cell lymphotropic virus type III. *Science* **229**:74-77, 1985.

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 Protease Optimized Cloning Vector from NIAID, DAIDS." Also include the references cited above in any publications.

Last Updated:

March 28, 2019

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