NIH AIDS Reagent Program
20301 Century Boulevard
Building 6, Suite 200
Germantown, MD 20874
USA

Phone: 240 686 4740
Fax: 301 515 4015
aidsreagent.org

DATA SHEET

Reagent:	HIV-1 NL4-3 AD8 Infectious Molecular Clone (pNL(AD8))
Catalog Number:	11346
Lot Number:	1
Release Category:	C
Provided:	5 µg plasmid DNA in TE buffer.
Cloning Vector:	PUC19 was used as cloning vector. The size of the cloning vector including the insert is 15 Kb. The clone is ampicillin resistant.
Cloning Site:	Vector cloning site between K*pnI* and B*sml* The size of the insert is 1.7 kb.
GenBank:	AF004394
Host Strain:	Bacterial host: JM107 cells.
Description:	A macrophage-tropic (R5) derivative of pNL4-3 was constructed by removing the 1.7-kbp fragment between the K*pnI* site in the gp120 coding region and the B*sml* site in the gp41 from the macrophage-tropic clone pAD8-1 and substituting this fragment for the corresponding region of pNL4-3 (pNL4-3 nucleotides 6348 to 8051). The resulting clone, pNL(AD8), efficiently infects primary human MDMs, unlike the parent, pNL4-3, which is unable to productively infect this cell type. Plasmid Map
Recommended Storage:	4°C
Contributor:	Dr. Eric O. Freed

References:

Freed, EO, Englund, G., and Martin, MA. Role of the Basic Domain of Human Immunodeficiency Virus Type I Matrix in Macrophage Infection. *J. Virol.* **69**(6):3949-3954 (1995).

NOTE:

Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 NL4-3 AD8 Infectious Molecular Clone (pNL(AD8)) from Dr. Eric O. Freed." Also include the reference cited above in any publications.

Last Updated:

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