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DATA SHEET

Reagent:	HIV-1 HXB2 Env Expression Vector (pIIIenv3-1)
Catalog Number:	289
Lot Number:	1823
Release Category:	D
Provided:	1 ml (6.9 x 10^9 ampicillin-resistant transformed HB101 bacteria).
Cloning Vector:	pSV2-*dhfr* (Subramani S, et al. *Mol Cell Biol* **1**:854, 1981), *Sal*I-*Xba*I site.
Description:	An HXB2 proviral fragment from nt 5496 (an artificial SalI site) to the 3'-terminal LTR was inserted into the SP64 polylinker SalI-XbaI site. The 3' HIV-1 LTR and SP64 polylinker were inserted in place of the SV40 early promoter and the dhfr gene from SV2-dhfr. The Tat-responsive HIV-1 LTR is used to promote expression of HXB2 rev and env. Plasmid Map
Special Characteristics:	The Tat-responsive HIV-1 LTR is used to promote expression of the HIV-1 (HXB2) rev and env genes. Induces syncytia when transfected into CD4-positive cell lines expressing the tat-III gene. Contains a defective vpu gene (the initiation codon is missing).
Recommended Storage:	70°C.
Contributor:	Dr. Joseph Sodroski.
References:	Sodroski J, Goh WC, Rosen C, Campbell K, Haseftine WA. Role of the HTLVIII/LAV envelope in syncytium formation and cytopathicity. *Nature* **322** 470-474, 1986.

NOTE:	Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH:pIIIenv3-1 from Dr. Joseph Sodroski." Also include the reference cited above in any publications.
Last Updated:	September 25, 2018