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DATA SHEET

Reagent:	HIV-1 LTR lacZ Reporter Vector (pHIVlacZ)
Catalog Number:	151
Lot Number:	060489
Release Category:	A
Provided:	1 ml (1.6×10^9 ampicillin-resistant transformed bacteria).
Cloning Vector:	pU3RIII-CAT (catalog #330).
Description of Clone:	The plasmid contains all of the U3 region and approximately 75 bp of the R region, including the TAR region the HIV-1 3' LTR driving the *E. coli lac*Z gene.
Cloning Site:	*Hin*dIII-*Bam*HI
Description:	Plasmid Map
Special Characteristics:	Standard β-galactosidase assays show quite high levels of expression in human embryonic teratocarcinoma cells or activated monocyte-macrophage lines. Contains no *Bam*HI site. Digestion of this plasmid with *Kpn*I can produce unusual cleavage patterns (star activity) if buffer conditions are not correct, enzyme concentration is too high, or the digest is done on a miniprep. When performing a mini-prep, use Asp718 (Boehringer-Mannheim Biochemicals) instead of *Kpn*I. Bacterial Host: HB101 Cloning Strategy: 3.2 kb *lac*Z gene from pCH110 was removed by digestion with *Hin*dIII-*Bam*HI and inserted in place of the pUR3III-CAT CAT gene.
Recommended Storage:	-70°C.
Contributor:	Dr. Joseph J. Maio.

References: Maio JJ, Brown FL. Regulation of expression driven by human immunodeficiency virus type 1 and human T-cell leukemia virus type I long terminal repeats in pluripotential human embryonic cells. *J Virol* **62**:1398-1407, 1988.

NOTE: Acknowledgment for publications should read "The following reagent was obtained through the NIH AIDS Reagent Program, Division of AIDS, NIAID, NIH: HIV-1 LTR lacZ Reporter Vector (pHIVlacZ) from Dr. Joseph Maio (cat# 151)." Also include the reference cited above in any publications.

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