

Centre For AIDS Reagents

Data Sheet

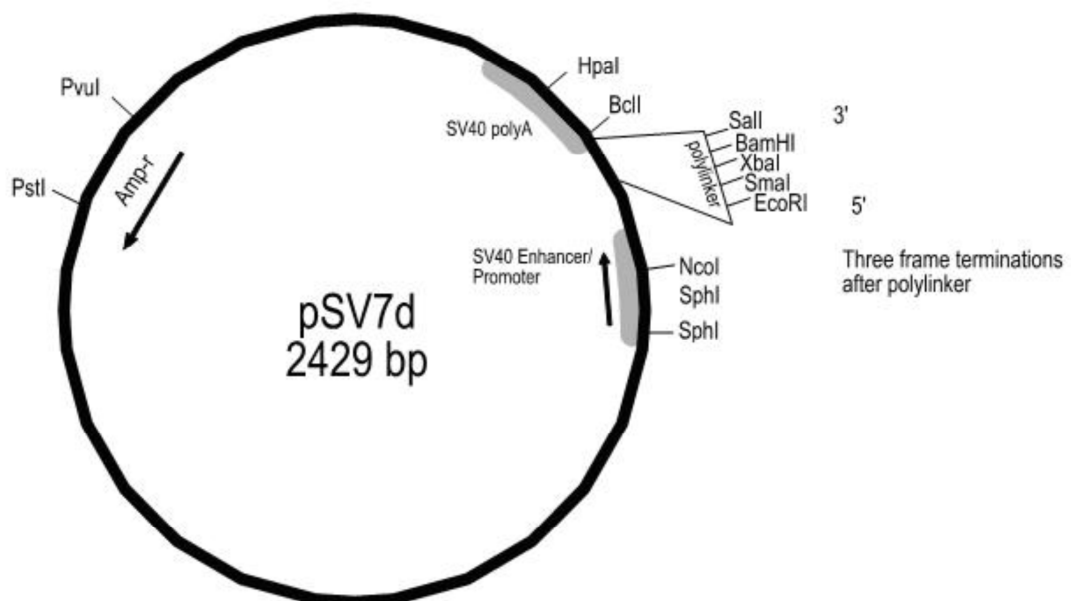
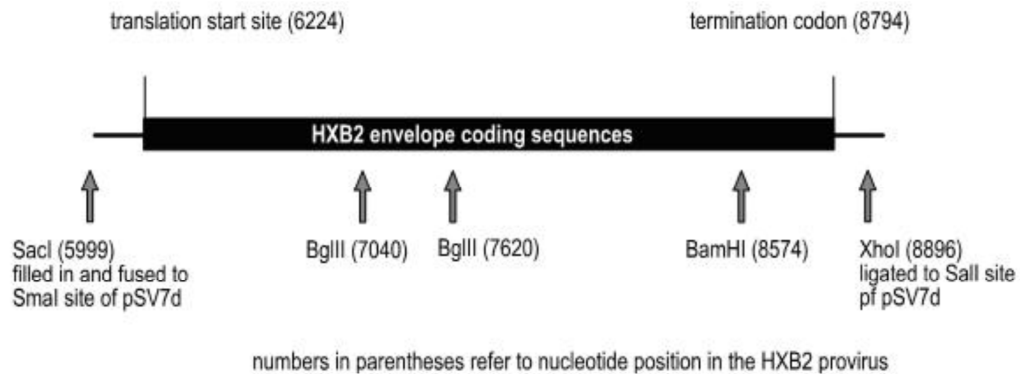
NAME:	HIV HXB2-env
REPOSITORY REFERENCE:	ARP284
CLONING VECTOR:	pSV7d
CLONING SITE:	5' Sma1 - 3' Sal 1
HOST:	HB101. Other bacterial strains should also be successful.
SOURCE OF PROVIRUS:	HIV-1 plasmid pHXB2gpt (Dr. A. Fisher and Dr. F. Wong-Staal). The 5' SacI insert site was filled in and fused to the pSV7d Sma1 site. The 3' XhoI insert site was ligated to the <i>SalI</i> site of pSV7d.
DESCRIPTION OF CLONE:	Contains a 2897 bp 5' SacI - 3' XhoI HXB2 env fragment from reagent #1067 HIV-gpt (env coding sequences are nt 6224 - 8794). HIV-1 gp160 is expressed from an SV40 promoter. No other HIV gene products are expressed. Ampicillin-resistant vector.
CLONING STRATEGY:	The 5' Sac 1 insert site was filled in and fused to the pSV7d Sma 1 site. The 3' Xho 1 insert site was ligated to the Sal 1 site of pSV7d.
SOURCE OF PROVIRUS:	HIV-1 plasmid pHXB2gpt (Dr A Fisher and Dr F Wong-Staal).
PROVIDED:	5 µg at 1.0 µg/µL purified DNA
SPECIAL CHARACTERISTICS:	SV40 origin provides high levels of gp160 expression in COS cells. Expression is <i>rev</i> -dependent and transient. This expression vector has been used with HIV-gpt to co-transfect COS cells, producing infectious HIV virions.
RECOMMENDED STORAGE:	- 70°C

SOURCE:

Dr Kathleen Page and Dr Dan Littman (Courtesy of the NIH AIDS Research and Reference Reagent Program).

REFERENCE:

Page et al, J Virol **64**: 5270-5276 (1990)



ACKNOWLEDGEMENTS:

Publications should acknowledge the donor of the reagent and the Centre for AIDS Reagents. Suggested wording can be found on our website in the “Acknowledgement” section at:-

www.nibsc.org/science_and_research/virology/centre_for_aids_reagents.aspx

Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR, this can be by e-mail or printed copy