

Data Sheet

NAME :	pCAAN5342 clone A2
REPOSITORY REFERENCE :	ARP2045
PROVIDED:	20µg plasmid DNA/vial (0.5mg/ml)
CLONING SITE:	The env/rev cassette was TA cloned into pcDNA3.1/V5-His©TOPO® and colonies were screened to obtain env/rev clones in the correct orientation with the CMV promoter. The size of the insert is 2889 bp.
CLONING VECTOR:	pcDNA3.1/V5-His©TOPO®. The size of the cloning vector including the insert is 8412bp.
DESCRIPTION:	A PCR fragment containing full-length env and rev genes was derived from plasma virion-associated RNA from a subject infected with a clade B virus by reverse transcription and nested PCR amplification. The env/rev cassette was cloned into the pcDNA3.1/V5-His©TOPO® expression vector and screened to ensure correct orientation with the CMV promoter. A single transformed ampicillin-resistant <i>E. coli</i> colony was selected and expanded. Sequence information is available upon request.
SPECIAL CHARACTERISTICS :	The clone represents env/rev cassette from a subject with early subtype B infection (male to male transmission). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions. pCAAN5342.A2 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB19).

GENE BANK:

Accession number is AY835452

STORAGE :

-80°C

SOURCE :

Drs. B.H. Hahn and D. L. Kathe (courtesy of NIH AIDS Research and reference Reagent Programme.)

REFERENCE :

Li, M., Gao F., Mascola J.R., Stamatatos L., Poloris V.R., Koutsoukas M., Voss G., Goepfert P., Gilbert P., Greene K.M., Bilaska M., Kothe D.L., Salazar-Gonzalez J.F., Wei X., Decker J.M., Hahn B.H., and Montefiori D.C. Human immunodeficiency virus type 1 env clones from acute and early subtype B infections for standardized assessments of vaccine-elicited neutralizing antibodies. *J. Virology* **79**: in press 2005

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Please also ensure that you send us a copy of any papers resulting from work using reagents acquired through CFAR (this can be electronically or as a paper copy)