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# Centre for AIDS Reagents.

## Data Sheet

Health Protection Agency

**NAME:** SC422661, clone 8 (SVPB8)

**REPOSITORY REFERENCE:** **ARP2065**

**NOTE:** This clone is also available as a member of a panel set, see **ARP2066**

**PROVIDED:** 20 µg plasmid DNA/per vial (0.5 mg/ml)

**CLONING SITE:** The HIV-1 env/rev cassette was T/A cloned into the cloning site of pcDNA3.1/V5-His TOPO© expression vector, in the correct orientation with the CMV promoter. The size of the insert is 2886 bp.

**CLONING VECTOR:** pcDNA3.1/V5-His TOPO©. The size of the cloning vector including the insert is 8409 bp.

**DESCRIPTION:** A PCR fragment containing full-length env and rev genes was derived from plasma virion-associated RNA from a subject acutely infected with a clade B virus by reverse transcription and nested PCR amplification procedures. The env/rev cassette was cloned into pcDNA3.1/V5-His TOPO© expression vector by a T/A cloning approach. A single transformed ampicillin-resistant *E. coli* colony was selected and expanded.

**SPECIAL CHARACTERISTICS:** The clone represents env/rev sequences from a subject with early subtype B infection (female to male transmission in Trinidad). The clone expresses a functional env/rev cassette and can be used to generate pseudotyped infectious virions that use CCR5 as the viral coreceptor. SC422661.8 Env containing pseudovirions are included in a standard virus neutralization panel for subtype B strains (SVPB8).



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**PLASMID EXPANSION:**

It is recommended that this plasmid be expanded using TOP 10 Competent Cells in LB medium at 30ºC.

**GENE BANK:**

Accession number is AY835441

**STORAGE:**

-80°C

**SOURCE:**

Drs. D. Montefiori, Dr. Feng Gao and Dr. Ming Li. (Courtesy of NIH AIDS Research and Reference Reagent Programme.)

**REFERENCE :**

Li, M., Gao F., Mascola J.R., Stamatatos L., Polonis V.R., Koutsoukos M., Voss G., Goepfert P., Gilbert P., Greene K.M., Bilska 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. Virol*ogy **79**(16): 10108-10125, 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)